
FOLIO



Work has begun on the new Agriculture and Forestry building.

A First for Canada in Italy

The Canadian Academic Centre in Italy is a small institute based in Rome which lends assistance to Canadian scholars and artists conducting research in Rome and elsewhere in Italy. Established in 1978 for a trial period of three years, the CACI has as its first director a member of the University of Alberta's Department of Classics, Alastair Small. Dr. Small, who first joined the University in 1968, has considerable experience in negotiating research projects with the Italian governmental authorities and has been active himself in a number of projects in Italy since 1965.

Acting with the authority of a national body, the Canadian Academic Centre in Italy will lend aid in many

different ways, helping Canadians find their way through government offices and helping them gain access to important holdings in the libraries of foreign academies and Italian archives. In addition, the Centre will furnish information on housing and hostels for the hundreds of Canadian scholars who travel each year to Italy, and will supply aids such as microfilm and microfiche readers and provide as well a small reference library and documentation centre.

The CACI is Canada's first permanent academic institution on Italian soil. As such, it joins over forty other academic institutions based in Rome, including such well known institutions as the British School, the Deutsches Archäologisches



The restoration of Convocation Hall is now complete.



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New Trail's Successor

As Director of the Office of Community Relations I am pleased to help introduce this first Alumni edition of *Folio*—the successor to *New Trail*. The Alumni *Folio* is a publication which we feel will prove interesting, stimulating and, occasionally provocative. We hope that the Alumni *Folio* (scheduled to appear five times during this first experimental year) will serve two major purposes:

1. To provide Alumni of the University of Alberta with a feel for what is happening on campus. *Folio* is a weekly publication which is circulated to approximately 6,000 people on campus and another 1,000 off campus. With this circulation, *Folio* constitutes a major means of communication within the University. By periodically increasing our circulation ten-fold and sending the publication to our Alumni we hope to broaden and enhance the University's sense of community.

2. The obverse of the above is that the Alumni portion of our publications will provide those of us within the University community not only with an idea of what our Alumni are doing, but emphasize their role as members of both the University and other communities.

So, if things go according to plan, the Alumni editions of *Folio* will add another dimension to the communication structure of the University of Alberta—a structure which includes those who have been here, those who are here, and those who will be here. We would appreciate hearing from you, our readers. Whether you wish to comment on the Alumni *Folio* or other concerns, please contact us.

Dr. Wm. A. Preshing

FOLIO

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All inquiries and correspondence relevant to *Folio* should be directed to:

Folio
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Edmonton, Alberta T6G 2E8
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The Office of Community Relations produces *Folio* on a weekly basis for the staff and other interested persons. Circulation: 6,500. Five times per year an alumni edition *Folio* will be distributed to the alumni of the University of Alberta. Circulation: 65,000. Managing Editor: Bryan Moon
Alumni Affairs Editor: Alex G. Markle
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Italian Centre (continued from page 1)

Institute, the Ecole Française, and the American Academy. The Centre's arrival on the Italian scene is, in fact, long overdue. Canadian academics in virtually every discipline will now have more easy access to the many centres of research, libraries, and archives that are maintained in every region of Italy. For example, the massive collections of the Vatican archives and library are of special interest to Canadian scholars: in addition to material relating to culture and the arts, here are to be found documents and records concerning the early and continuing history of the Roman Catholic Church in our country and the exploration and settlement of North America.

The activities planned for the Centre which is funded by the Canadian Cultural Institute in Rome, the Social Sciences and Humanities Research Council (formerly the Canada Council),

and approximately twenty-five universities including our own, are quite widespread. As well as creating a solid Canadian academic presence in Italy, such activities include the proposed publication of a series of monographs on a broad range of academic subjects, the compilation of a guide to Canadian material in the Vatican archives, and the presentation of lecture series by distinguished Canadian scholars.

The services of the Centre are available to all individuals with bona fide academic and/or artistic affiliations. Those people who wish to use these services are asked to provide a letter of introduction from their academic institutions. The Centre itself is readily accessible in Rome, either directly by bus from Stazione Termini or Piazza Venezia (bus number 75) or by car. There is ample parking space.

For further information about the Canadian Academic Centre in Italy and the services it provides, please contact either The Academic Director, Canadian Federation for the Humanities (formerly the Humanities Research Council of Canada), 151 Slater Street, Ottawa, Ontario K1P 5H3, or Dr. A.M. Small, Director, CACI, Via delle Mura Gianicolensi 81, Rome, telephone (06) 580-1481.

Quick Law

Improving access to legal information is the primary objective of the Canadian Law Information Council (CLIC), a non-profit organization which encompasses the total legal profession in Canada. To effectively pursue that objective, CLIC set up a pilot project at the University which introduces law students, faculty, and more than 175 practising lawyers to computer assisted legal research.

The project, which consists of lectures, demonstrations, and practical hands-on sessions, began ten months ago under the guidance of Muriel Lefebvre and

Peter Freeman of the Law Library. That progress has occurred is evinced by the fact that some 2,500 research searches have been carried out successfully. The project is also faring well on a national basis as the result of a seminar held on 18 and 19 December. Twelve law librarians from across Canada attended the seminar which ran in the Law Centre and the Department of Computing Services. The information garnered by the librarians will be used to establish similar legal education programs at various Canadian law schools.

The project is an off-shoot of Queen's University Investigation of Computing and Law (QUIC/LAW) which was established early in this decade to develop a sophisticated system for rapid retrieval by computer of information from statutes, regulations, judicial decisions or other legal documents, and to develop large data bases of such documents. It received support from Queen's University, IBM, and the federal Department of Justice. It is presently a private company maintained by QL Systems Ltd.

In the pilot project's intricate system of query and retrieval, speed is truly of the essence. For example, off-line printing at Computing Services yields information at the rate of 4,800 b.a.u.d. or 480 characters per second on the terminal.

Data base material, which includes Dominion Law Reports, All-Canada Weekly Summaries, Canadian Criminal Cases, Supreme Court Reports, Federal Court Reports, Weekly Criminal Bulletins, and Revised Statutes of Canada, is updated periodically.

The continued success of the project led to the establishment last summer of a service facility for local lawyers whereby they can phone in queries and the data bases will be searched for the appropriate information. If requested information is not yet on the computer, a manual search will be conducted. The fees in effect are \$2 per query and \$2 per data base. Some data bases, in addition, have a royalty charge.

While the project has exceeded

the expectations of its organizers, it is not without limitations, according to Mrs. Lefebvre. One drawback is that, for case law, the retrieval systems features headnotes (summaries) rather than full text. Standardization of words within a data base or between data bases is non-existent and the researcher has to use his or her own experience with legal terminology and the data bases to determine which words should be searched on the terminal. Mrs. Lefebvre is also of the opinion that the data bases have to be expanded. One of the purposes of the project is to correct the limitations and CLIC is negotiating to expand the data bases to increase the relevancy to the user.

To facilitate the installation of computer assisted legal research programs in Canadian law schools, she has written *The I Love The Computer Manual and Helpful Hints to the QL User*.

The pilot project has been renewed by CLIC until June, 1979. Lectures and demonstrations have concluded and emphasis is now on the procurement of important information requested by Edmonton lawyers. The facilities will also be used by first year law students working on moot problems.

Letters to the university

We conceive of "Letters to the University" as a space wherein Alumni and members of the community may address the University. In the upcoming issues of this publication we hope to print the opinions, complaints, compliments, and concerns of graduates of the University of Alberta. We hope you will respond. The University has always been a dynamic institution, and in a period of rapid change it is of the utmost importance that the

Muriel Lefebvre of the University's Law Library directs a query to the data bases affiliated with the Canadian Law Information Council's Pilot Project on Computers and the Law. The project places the University among the vanguard in terms of the development of computer assisted legal research.



perceptions of the larger community are available to us so that we can continue to meet its needs. Because, as Alumni, you are in the unique position of being members of the larger community and are also informed about the University, your views are of great value to us.

Please write:

Letters to the University,
Folio,
423 Athabasca Hall,
The University of Alberta
Edmonton. T6G 2E8

Though no "Letters to the University" as such appear in the present issue, we take this opportunity to present with pleasure a letter recently received from Dr. Alexander Smith, Professor Emeritus of Law.

Dear Editor,

My thoughts flashed back over the expanse of fifty years As I read the story of CKUA, sympathetically researched and sensitively told by Miss Jean Kirkman (*New Trail*, Winter 1978). The time was early 1928, the place the Provincial Special Hospital situated on the south side of the University Hospital, abutting the Red Cross Hut, and built in 1927 for the treatment of young people overtaken by an epidemic of that year. After several relocations and metamorphoses the structure latterly was serving as a medical clinic. I recall that when the first addition to the University Hospital was planned, the Provincial Special, standing athwart the path of progress, was required to be moved a short distance south. Laboriously the entire building, all two wings of it, was jacked up manually and placed on rollers, and, by means of a spider's web of pulleys and ropes, it was manoeuvred, foot by foot, to its new site, the motive power being furnished by a single Percheron gelding. A newspaper of the day likened the exercise to the raising of the pyramids.

But I digress. The time, then, was early 1928 when a man on a bicycle arrived at the Hospital and proceeded to install a wireless receiving set, trumpet-shaped

speaker, batteries, antenna, and all. The set proper, a fragile little box with an array of naked "lights" exposed at the top, was placed on a spare locker, the batteries stored in the compartment below. When all was in readiness the buttons were turned and we were introduced to CKUA. But, alas, over the affairs of men—and of children—hovers the law of karma, ordaining that blessings shall never become unmixed. Regulations governing the use of the set were promulgated, establishing a curfew and appointed two nurses Curators of the Wire-less. Patients were not to operate the set. As might have been foreseen, the harness proved too heavy for the horses, and, wearying of their task, the Curators were excused. By default the mantle fell upon the youngsters themselves who, thereafter, were free to listen at will to CKUA, and that a broadcast might consist of a rendition of a Beethoven sonata or a lecture on the virtues of Marquis wheat seemed not to matter. However, understandably, the curfew remained in place and in breach thereof, one evening toward the end of 1928, the set was turned on. Presently, and without warning, Miss McGillivray, the senior nurse on duty, trim and crisp in her starched uniform, appeared, strode purposely the length of the ward, turned off the offending machine, and just as purposely retraced her steps, and as she swept through the swinging doors, a patient, with more valor than discretion, hurled a rude and provocative malediction. The exaggerated serenity of the staff during the remainder of the evening was ominous—a pause before retribution? Thereafter the denouement was swift. Early next morning the culprit was ceremoniously expelled. I say "ceremoniously": because sharp at eight o'clock Dr. Hastings Newburn, with Miss Smiley the Superintendent at his elbow, arrived in the ward and, taking up a position at the foot of the offender's bed, proceeded to deliver a lecture nominally addressed to him but patently directed to all. As he reached his peroration, an ambulance drew

up to the entrance and the lad, still in his hospital shirt, was whisked away, defiant and unrepentant. The precision in timing rivaled the programming at CKUA.

Subsequently, in the high school years, I was to listen regularly to Dr. Edward Gowan's programme: 'The Science Question Box' as well as to "Conversational French," in which I enrolled. Later still, the Studios were to become familiar ground. I recall participation in one of the Station's Inter-Faculty Quiz Contests and being tripped up by a quotation from "Casey at the Bat." The irony of this last will be apparent to generations of students and staff of the Faculty of Law.

CKUA's founding fathers were, of course, Mr. H.P. Brown and Mr. A.E. Ottewell. My introduction to the latter was to come later, after his appointment as Registrar. Due to a change in timetable, I missed the very first lecture of my freshman year and at once waited upon the Registrar to request an Absence Card. After hearing by petition, Mr. Ottewell dismissed me with "You young fellows must smarten up." Crestfallen, I withdrew, but as I crossed the threshold he called: "See Taylor." I entered the adjoining office and, having restated my case, the Assistant Registrar at once issued the Card, and I went on my way rejoicing. Even at the time, I was aware of how admirably each man had discharged his responsibilities.

But I must return to early 1928. In the months following the installation of the wireless we were to see much of the man on the bicycle as from time to time he attended to service the set, replacing tubes and batteries, and otherwise cajoling the machine into response. He was a gentle man, and, as we thought, a trifle shy, who went about his task deftly and quietly, with no fuss. We should have been pleased had he talked to us and explained the mysteries of wireless, then still a novelty, but he never did. Then, in or about the month of February 1929, the spare locker being required to serve its original purpose, the fragile little box was

hurriedly deposited in a carton, the batteries and speaker thoughtlessly piled on top. Youngsters must have been more sensitive then, for this happening brooded like a cloud over our contentment, dreading, as we did, the next appearance of the gentle man. But, alas, like time and tide, the event was not to be stayed. He came. He saw. He departed. The twinge of anguish I felt then, I feel now, remembering.

The man on the bicycle was Mr. H.P. Brown.

Yours very truly,
Alexander Smith,
Professor Emeritus of Law



Ecological succession can be managed to good effect by the use of controlled fire. Examples of the positive effects of the correct use of fire can range from the prevention of uncontrolled, destructive fires to the management of a hay meadow such as the one pictured above.

Fires of Spring

Fires of Spring is a film about the use of fire to manage the environment. Written and produced by Henry T. Lewis, Professor and former Chairman of the Department of Anthropology, the film examines the use and effect of controlled burning as it was extensively practiced by the Indians of northern Alberta until a relatively short time ago. Produced with the facilities and staff of the University's Motion Pictures Division, the film is the first cinematic treatment of an anthropological perspective on fire ecology. Although fire ecology has gained credibility in a wide variety of scientific disciplines, it is still a subject that can unsettle many people, scientist and layman alike, with the claim that fire can be beneficially used by man in his relationship with nature.

Succession

The concept of "succession" is the key to understanding fire ecology. Simply stated, succession is the occupation of an area by organisms involved in continuous action and interaction, which in time results in changes to the area. A rough metaphor for succession might be the gradual evolution of an untended garden from well-ordered rows of domestic plants into a dense covering of hardier weeds.

Succession is, of course, much more complex than the metaphor suggests and involves all of the life forms within an area, including man.

If we recognize that very often a human being's existence depends upon a certain kind of ecological system—if he has to hunt for and gather his food, then he needs the kind of ecological system which supports his food sources, whether they are plants, animals, or both—then the significance of ecological succession becomes apparent. The problem lies in the maintenance of the kinds of plants and animals one needs to survive when the natural tendency of the ecological system is to change. Fire was one of the major tools used by the Indians of northern Alberta to maintain the necessities of their existence.

The controlled fires of the Indians were not like the wild fires that occur every summer in Canada. Anyone who has seen a burnt over forest recognizes that fire has an enormous and sometimes devastating effect upon an area. In terms of succession, a fire seems to radically and

Henry T. Lewis, research, co-author and producer of the film. The film was shot entirely on location.



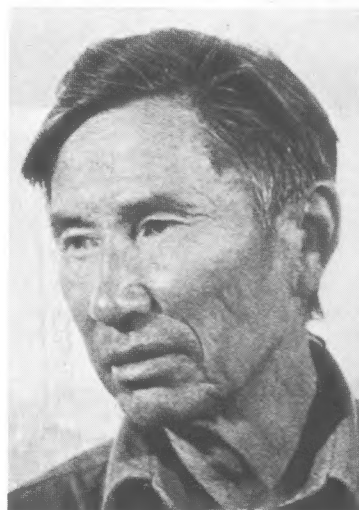


This photograph was taken in 1903 and was identified as a "mock-up of starting a prairie fire." For a long time such photographs were referred to as depicting "ritual" fires, as a catch phrase to describe an activity that was not understood. Now, however, it is becoming apparent that the designation of ritual was not only inaccurate, but that the fires were anything but ritualistic. They were set for clear and good reasons. (This photograph is used with the permission of the Provincial Archives. All other photographs are courtesy of the University's Division of Motion Pictures.)

negatively interrupt the normal evolution of an area, but that is only partially true. There are, in fact, organisms which are specifically adapted to fire. For example, there are trees which can only release their seeds with the aid of extreme heat, and so it is apparent that in nature's terms, at least, fire is not good or bad, but is instead something that has occurred for so long that the environment has specific ways of adapting to it.

Regardless of how many fire adaptations nature may have developed, for human beings the wild, uncontrolled fire has always been destructive, and becoming accustomed to the idea that fire might be beneficially used is difficult. The case for controlled fires, however, is becoming increasingly strong, and the after effects of such a fire are only now being understood by the scientific community. The good effects of a controlled fire range from the control of wild fires to the maintenance of such prosaic things as hay meadows.

Fires of Spring presents a number of views on the effect of fire upon the environment, both from scientists at this and other universities and from the people of Hay Lake, Meander River, and Bushe River Reserves. Arthur Bailey of the Department of Plant



Louison Martel of Meander River

Science at this University and J. Stan Rowe of the University of Saskatchewan, outline their research findings and the conclusions reached in their disciplines thus far. Peter J. Murphy of the University's Department of Forest Science is the Associate Producer and Technical Advisor for the film. These men are the most visible representatives of the various disciplines that have an interest in fire ecology. As well, behind the scenes of the film, lies the cooperation and research generated by a variety of disciplines, plus the cooperation and

advice of the Alberta Forest Service, an organization which, though traditionally opposed to fire management practices, is now experimenting with controlled burning. The major portion of the film, however, is a presentation of the Indians' understanding of fire ecology.

According to Dr. Lewis, the film's emphasis on the Indian's use of controlled fires is entirely appropriate to the study of fire ecology. Because scientific studies tend to focus upon a particular research problem, and because the study of fire ecology is a relatively recent activity, the scientific community has not had time to study all aspects of the problem and combine their understanding in a complete picture of the situation. As *Fires of Spring* portrays, however, the Indians of

in the centre of a Parkland area that extended much further into the north, making such place names as Grande Prairie and High Prairie far less anomalous. The Indians maintained this Parkland by the use of controlled fire because of what such an environment could offer them: a diversity of landscape offers a diversity of habitat for plant and animal life. Browse for both moose and deer is better and more abundant in recently burned areas. Bears will frequent an area of young growth for berries, and muskrat and beaver are often associated with such areas as well. Furthermore, a controlled burn does not destroy the more advanced stages of ecological succession, thereby keeping habitats available for those species of animals who need a more mature forest environment.

This kind of "landscape management" has a great many other effects as well. Controlled burning can help maintain a hay meadow. Such a meadow is beneficial to wild game as well as domesticated stock, and burning not only keeps the meadow open and free of brush, but by burning in the spring the ground is blackened and therefore heats more rapidly, ensuring a quicker start for the vegetation. A longer growing season can be of great importance in northern Alberta.

Sloughs and stream courses were also burned in the early spring as the trapper returned for the last time from his trap lines. This practice not only ensured that the birch-aspen stands so necessary to fur bearing animals such as beaver were renewed, but burning along stream courses also maintained a clear trail in an environment which, if left to normal succession, quickly becomes impenetrable bush. Controlled burning even provided an excellent source of fuel because partially burned wood is dry, providing excellent fire and stove wood.

Popular Belief and Fact

Among the many effects of controlled fires mentioned by Dr. Lewis's informants was the fact that controlled burning greatly

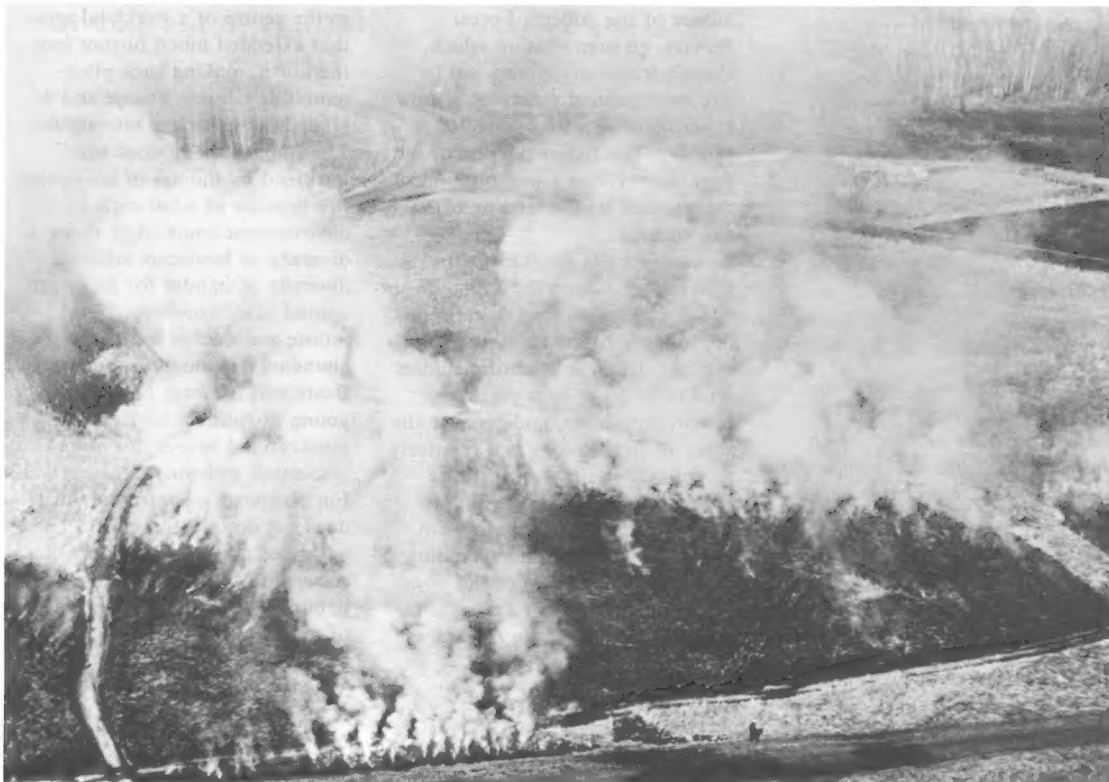


Harry Chonkolay of Bushe River

northern Alberta, who until quite recently practiced controlled burning extensively, probably know more about the use of controlled fire and its effects than anyone else. Within the memory of such individuals as Harry Chonkolay and Louison Martel is a time when controlled fires were used to maintain an environment that supported a way of life.

Edmonton in the Centre of the Parklands?

Edmonton is now considered to be the northern limit of the Parklands, an environment that alternates between open areas and forested areas. It is suspected that at one time Edmonton was



This fire was set and controlled by the Alberta Forest Service. Roads, ditches, and natural vegetation are all being used as fire-breaks. Set in early Spring, a fire will stop as it reaches denser, wetter vegetation. The new grass in the foreground in the photograph to the right has a much earlier start than the unburned area. This photograph was taken only a few weeks after the Forest Service burned the area. This stand of trees can be seen, partially obscured by smoke, in the aerial shot of the fire.

reduced the hazard of a wild fire. The controlled burning practiced by the Indians of northern Alberta was prohibited by law after the turn of the century because of the popular belief that any fire was bad. Wild fires and controlled fires are vastly different, however. A wild fire, normally ignited by lightning in the heat of the summer when conditions favor the unplanned destruction of millions of acres, is justifiably deplored by everyone. The fact of the matter is that a large tract of mature forest, with a high percentage of deadfall and without the benefit of the natural fire break created by a meadow, is far more of a potential fire hazard than a mixed landscape that has been managed by controlled fires. Furthermore, a wild fire burns with far greater heat, thus destroying living plants,

adversely affecting animal life, and effectively retarding even the natural regenerative abilities of nature. The concept of controlled burning is now being accepted by the Alberta Forest Service, and the belief that any fire is bad has been replaced by the knowledge that controlled fires are beneficial.

The methods for controlling a fire are still being developed. Once again, Professor Lewis's informants have provided some interesting indications about how a fire can be controlled. The Indians of northern Alberta were able to control fires by understanding a variety of interrelated factors. Early spring is the best time for burning due to the moisture content of the fuel and the remaining snow. Mid-day fires were recognized to burn more intensely than those set earlier or



later in the day, and the varying moisture content of different kinds of vegetation was considered. Wind, weather conditions in general, the frequency of burning, back fires, and natural firebreaks such as streams or wetter vegetation were also considered. Among the many conditions taken into

account was the realization that slope could be used: a downhill burn was a lighter burn, while burning uphill was more complete.

The degree of understanding the Indians had of effects of controlled fires and their knowledge of how to control them points to another popular belief that studies in fire ecology have undermined. The view that laymen have had of the North American Indian of historic and prehistoric times is of people existing harmoniously with the environment, taking what it had to offer and not disturbing it. To a large extent the layman's view was also the anthropologist's. People with modes of existence based upon hunting and gathering were seen as being in a passive relationship with nature. Thus the study of fire ecology, as well as pointing to misunderstandings about the use of controlled fire in the present time, also points to the fact that the view of Indians as passing without a trace over the landscape is mistaken. They were, in fact, consciously, responsibly, and



In the foreground is the previous year's growth of vegetation that was not burned. In the portion of the meadow which was burned the grass is already five inches high, even though the photograph was taken only three weeks after the area was burned.

skilfully manipulating and maintaining their surroundings. This insight into the Indians of northern Alberta should provide an important area for future anthropological study.

Research in fire ecology is a relatively recent activity in all disciplines. In Anthropology, with the exception of one or two isolated studies undertaken earlier in the century, Professor Lewis's work and the work of a few other anthropologists is the only anthropological study of fire ecology that has been conducted. In a sense, his introduction to fire ecology was in his student days in California. Working for the US National Park Service he saw first-hand the destructive aspects of forest fires, and later his initial research on the use of controlled fires by Indians was done in California. In California there were no informants, and he reached his conclusions largely by inference derived from studies

in fire ecology, but when he came to Canada he realized there was a possibility that he would be able to interview people who had actually seen or participated in controlled burns. Although his informants in northern Alberta were sometimes reluctant to speak about an activity that was illegal, over a three year period he was able to collect the information that formed the basis for publications and, subsequently, *Fires of Spring*.

Fires of Spring has already been shown to the communities who participated in the filming, and their response was enthusiastic. Dr. Lewis considers the film a somewhat belated step in understanding the ecology of fire as used by native Albertans. In the coming year he hopes to take the film into communities in the eastern Boreal Forest. Showing the film as a method of introducing the subject, he intends to continue his research.

Fires of Spring was made possible through financial support from the University's Boreal Institute for Northern Studies. At the next Boreal Circle Meeting, at 8 p.m. on 20 February, the film will be shown. The public is invited to attend. There is no admission charge and Dr. Lewis will be present after the screening to answer questions. The Boreal Circle Meeting will be held in room CW-410 of the Biological Sciences Building. For further information contact the Institute, telephone 432-4999.

HUB Mall Exhibited

From 16 January to 4 March 1979, an exhibition of pedestrian malls in France and abroad will be on display at the Maison de Culture André Malraux in Reims, France. Through the Canadian Embassy in Paris, various pedestrian malls of architectural or cultural significance in Canada will be represented. In addition to such grand edifices as the new Eaton Centre in Toronto and comparable malls in Ottawa and Calgary, our own Housing Union Building (HUB) has received a prominent place. The HUB Mall is one of the more innovative buildings in Canada and the solutions attempted in its design to the problems of combining

residential, commercial, and recreational facilities have been widely acclaimed.



University Extension Offerings to the Public

The courses listed below are intended for all members of the public, whether or not associated with the University, and have been designed to serve the needs of the

Public Relations for Community Organizations

Beginning: 22 January. Duration: 8 Mondays. Time: 7:30-9:30 p.m. Limit: 25. Fee: \$45.

Business Letters and Memos

Beginning: 30 January. Duration:

community. For information and registration in any of the courses, please telephone the Faculty of Extension, 432-5047.

6 Tuesdays. Time: 3-5 p.m. Limit: 22. Fee: \$50.

Technical Report Writing

Beginning: 29 January. Duration: 10 Mondays. Time: 7:30-9:30 p.m. Limit: 22. Fee: \$50.

Editing Workshop

Beginning: 7 February. Duration: 2 days. Time: 9 a.m.-4 p.m. Limit: 22. Fee: \$65.

Copy Editing

Beginning: 30 January. Duration: 8 Tuesdays. Time: 7-9 p.m. Limit: 22. Fee: \$50.

Poetry: An Act of Creation

Beginning: 5 February. Duration: 10 Mondays. Time: 7:30-9:30 p.m. Limit: 18. Fee: \$55.

Poetry II: Further Reaches

Beginning: 3 April. Duration: 8 Tuesdays. Time: 7-10 p.m. Limit: 16. Fee: \$65. Prerequisite: Poetry: An Act of Creation.

Writing Your Family Story

Beginning: 8 February. Duration: 8 Saturdays. Time: 10 a.m.-12 noon. Limit: 20. Fee: \$60.

Writing Skills

Beginning: 30 January. Duration: 8 Tuesdays. Time: 7-9 p.m. Limit: 22. Fee: \$45.

The Business of Creative Writing

Beginning: 6 February. Duration: 8 Tuesdays. Time: 7-9 p.m. Limit: 22. Fee: \$45.

The Skills of Clear Writing

Beginning: 24 January. Duration: 10 Wednesdays. Time: 7-9 p.m. Limit: 22. Fee: \$45.

Slide-Tape Production Basics

Beginning: 20 February. Duration: 12 Tuesdays. Time: 7:30-10 p.m. Limit: 15. Fee: \$60.

Uranium Geology

Beginning: 14 February. Duration: 3 days. Limit: 40. Fee: \$125. Telephone: 432-5061.

Legal, Accounting, and Management Seminars

Beginning: 22 January. Duration: 9 Mondays. Time: 7-10 p.m. Fee: \$35 (individual seminars), \$125 (complete program). Telephone: 432-5067/5066.

Individual Study Programs

(Note: These are not correspondence courses but are completely independent packages within which a student may advance and review as indicated by achievement in the tests incorporated into the programs. A student should have access to a cassette tape recorder. The student manuals are retained by the student, but the tapes must be returned to the University. Telephone 432-5047.)

Speedreading

Contents: 1 manual, 3 cassettes. Fee: \$15 (6 weeks).

Vocabulary Development

Contents: 9 manuals, 18 Cassettes. Fee: \$35 (12 weeks).

English

Contents: 19 manuals, 22 cassettes. Fee: \$50 (20 weeks).

Academic Skills

Contents: 10 manuals, 20 cassettes. Fee: \$45 (12 weeks).

research reporter

The research reporter, primarily designed to attract the interest of persons in the commercial communications media, is included in Folio on a monthly basis because of the interest shown by the University community in its brief reports. Short descriptions of research—any kind of research—should be sent to Research Reporter, Office of Community Relations, 423 Athabasca Hall. All reports are checked with those concerned prior to being printed.

Research of Interest to Cold-Weather Campers

Cold weather camping is fast gaining in popularity and the importance of a warm sleeping-bag to cold-weather campers is obvious.

Trial and error can be a chilly, as well as an inexact way to find a suitable bag; W.H. Cottle and H.A. Scott have a better idea.

The researchers from the University of Alberta's Faculty of Physical Education and Recreation have developed a fiberglass mannequin with a

"normal" body temperature. When placed in a sleeping-bag on a special bed in a temperature controlled room, this human-like form provides a precise means to measure the insulative value of a bag.

Not only does the mannequin make possible comparison of the effectiveness of different designs of bags and of different insulating material, but it also permits determination of the effects of a variety of other factors which influence the effective use of a sleeping-bag.

And the researchers say that their studies, in addition to providing information for practical application to winter camping, have theoretical implications with regard to understanding the various pathways of heat loss from the body.

Panelists Assist Meat Evaluation

"The proof of the pudding is in the eating."

Zenia Hawrysh shares the sentiment expressed in that quotation from Cervantes' *Don Quixote*.

In fact, it's fundamental to her research. While the special scientific instruments she uses in the course of her investigations can tell her a great deal about the eating quality of the meats she evaluates, the ultimate test is "in the eating." Therefore, the Professor of Home Economics relies a great deal on trained taste-panels to provide data for her research.

The tasting takes place in an especially equipped room in the University's Home Economics Building. There, special arrangements have been made so that the panelists won't be influenced by extraneous factors and are able to concentrate; they have individual cubicles and are isolated from the odors of the food being

prepared. Special lighting arrangements make it possible to mask the color of the food, should that be desired.

And not just anybody can be a taster; Dr. Hawrysh works with people who have demonstrated good discriminatory ability in tasting for such attributes as texture, tenderness, and juiciness, in addition to flavor.

Two recent projects serve to illustrate the type of work Dr. Hawrysh does and her use of taste panels. One project involved the testing of the meat from cattle fed varying levels of roughage; the other compared meat cooked by microwave with that cooked conventionally.

In the first project, done in cooperation with researchers in the Department of Animal Science, Faculty of Agriculture and Forestry, the animal scientists allotted the cattle into three groups, each group containing both bulls and steers, and fed them different levels of roughage. The roughage was a mixture of alfalfa brome hay; it made up 20 percent of the diet of one group, 50 percent of the diet of another group, and, in the third group, it replaced 80 percent of the much more expensive grain traditionally used to 'finish' cattle for market in this part of the world.

When the animals were slaughtered, Dr. Hawrysh dry-heat roasted the meat to an internal temperature of 63° C (medium rare) in two ways: cooked slowly at a temperature of 121°C and cooked at a higher temperature, 163°C. Cooking losses were recorded and the cooked meat was tested using instruments for measuring tenderness and juiciness. It was also evaluated by a trained taste panel. The results: cooking losses were not affected by the level of roughage or by castration, dry heat roasting at the lower temperature resulted in a better product, beef from animals fed various levels of roughage was found to be similar, and the meat from bulls, which gain weight much faster than do steers and produce leaner meat, was found to be slightly inferior in tenderness and texture, but



With the help of a special glass fibre mannequin, Drs. W.H. Cottle and H.A. Scott of the Faculty of Physical Education are testing the insulative value of sleeping bags and learning more about the body's pathways of heat loss.

roasts were similar in all other eating quality characteristics evaluated.

In the second project, Dr. Hawrysh used a taste panel to help her compare beef cooked using a microwave oven—the oven used was one of the newest types which permitted the selection of the cooking power specifically for meat—with that cooked conventionally. The meat evaluated was obtained from three breeds of bulls developed by University of Alberta animal scientists.

It was found that, although the cooking time was less in the microwave oven, cooking losses using that method were higher. Overall, however, the microwave roasts were judged to be quite acceptable; the internal color, juiciness, softness, and flavor of these roasts compared favorably. However, panelists rated roasts cooked conventionally to be better in external color, evenness of internal color, texture and tenderness. The beef from the three different types of bulls was found to be similar and acceptable.

Dr. Hawrysh has also conducted tests on the eating quality of chicken, and the eggs of chickens, fed different types and levels of rapeseed meal.

Emphasis Given to MS Research

The work facing Dr. K.G. Warren does not promise to be easy. But it is important and could result in major contributions to medical knowledge.

The Assistant Professor of Medicine came to the University of Alberta in July his appointment integral to the increased emphasis which the University is giving to research related to multiple sclerosis. It will be up to Dr. Warren to carry out, encourage, direct, and coordinate research into this disease common in Canada. About 1,900 Albertans suffer from it.

Multiple sclerosis is a demyelinating disease of the central nervous system characterized by hardening of the tissue of the brain and spinal cord or both; its cause is, as yet, unknown. However, observations of the disease and its pattern of occurrence have led

medical researchers to speculate that its occurrence must depend upon a combination of factors—a factor or factors in the individual make-up of a person combined with an environmental factor or factors. Weight is added to this belief by the fact that the disease is rare in tropical climates and there has never been a documented case of a full-blooded American Indian developing multiple sclerosis.

Dr. Warren left the Wistar Institute of Anatomy and Biology at the University of Pennsylvania to come to Alberta. Previously he had studied medicine and neurology in London, Ontario. Multiple sclerosis has been his primary research interest for some time, and, at the University of Alberta, he will continue his research in addition to co-ordinating multiple sclerosis research through the newly-established multiple sclerosis clinic.

Dr. Warren describes the University of Alberta as relatively well equipped with scientists who could make contributions in this area of medical research. The research itself is to have considerable breadth and depth; both the cause and the effects of the disease will be investigated. In the main, the research will be organized into four main fronts.

On one front, a “desperately needed” diagnostic test will be sought so that the disease might be detected in its earliest stages. In this regard, promise is shown in the work of Dr. T.A. McPherson, Assistant Dean of Medicine and Director of the faculty’s Division of Medical Oncology, who has developed a radio-immuno assay to determine the level of myelin basic protein within an individual’s cerebral spinal fluid—he hopes to show that the level is different in persons with multiple sclerosis.

On a second front, immunologist Dr. John Dossetor is leading investigations in the area of immuno-genetics. Sought is a gene related to susceptibility of multiple sclerosis and the specific immune complexes—antigen antibody complexes—which combat the disease. If the complexes can be found they may provide clues as to its cause.

On another front, an epidemi-

ology study—that is a study of the occurrence and distribution of the disease—is being undertaken by Dr. Sharon Warren. Her research for clues to the cause of the disease will involve detailed questionnaires to help her obtain as much information as possible about the life history of those Albertans who have multiple sclerosis.

On the fourth front, researchers will attempt to find a virus involved in the occurrence of multiple sclerosis. Dr. K.G. Warren says that medical scientists have good reason to believe that a virus is involved—multiple sclerosis could be caused by a virus not yet identified or it could be an unusual disease caused by a known virus. It is on this front that Dr. Warren himself will be working. Others working in this general area include Dr. D.L. Tyrell and Dr. R.G. Marusyk.

In addition, the clinical effects of the disease are to be studied. This is important, says Dr. Warren, because, even if its cause eludes discovery, investigations of the clinical effects of the disease will allow the best patient care possible. In this regard, Dr. R.P. Beck is pursuing research which may lead to improved treatment of urinary tract problems common to multiple sclerosis patients.

Interest in Clay Leads to Study of Bricks

When Jack Forbes was an art student at the Alberta College of Art, he found there was a general lack of interest in the local history of work with clay.

Some years later, when he came to the University of Alberta as a lecturer in what was then the Department of Extension, he was in a position to do something to preserve that heritage. Jack Forbes is now head of the ceramics division of the University’s Faculty of Extension and his research into the historical aspects of ceramics in Alberta has led in many directions: his involvement in the recognition of the original Medalta pottery works in Medicine Hat as a historical site, and his book *pottery in Alberta, The Long Tradition*, written with



The making of bricks can be an art; here a worker at the Shaw Brickyard in Lantz, Nova Scotia is hand molding brick.

Marylou Antonelli, are but two. Most recently it has led to an interest in brick—“the most widespread use of clay in the built environment”—and to the Canadian Inventory of Brick, in which he is cooperating with colleagues across the country.

Brick, says Mr. Forbes, has been used in characteristic ways in different regions of Canada. Although brick is now a relatively uncommon building material in Alberta, there was at one time a number of thriving brickyards in the province.

Mr. Forbes regards one of Edmonton’s most interesting buildings as the best Canadian example of the use of a certain type of brick. “Clinker” brick is a name used for the over-baked and warped bricks which resulted from the uneven heat distribution in old-fashioned kilns. Says Mr. Forbes, these bricks weren’t regarded as seconds or thirds—more like tenths; sometimes they were given free for the hauling. A significant number of “Clinkers” from Edmonton’s Pollard Brickyard were incorporated into the brickwork of Holy Trinity Anglican Church in the city; the result is most pleasing—an excellent example of the aesthetically

effective use of such bricks. The artistry of the masons who laid the bricks and the characteristics of the clay that caused the overburned bricks to glaze, bringing out green and green-yellow tones add an extra touch of beauty to the buildings, says Professor Forbes.

Chemistry Researchers Receive Recognition

In recent years the people of the University of Alberta Department of Chemistry, Faculty of Science, have been pleased with the regularity with which the contributions of members of the department have received special recognition from bodies external to the University. In 1978, four of the department's researchers have been singled out in recognition of their work.

Dr. Gary Horlick, an assistant professor, was presented the Barringer Award by the Spectroscopy Society of Canada. Described as one of the outstanding applied spectroscopists in the world, he was the first winner of the award for younger scientists.

Also this past year, a Professor of Chemistry, Dr. Paul Kebarle, was invited to become a Fellow of the Royal Society of Canada. Dr. Kebarle has had a productive career in mass spectrometry and is given credit for fundamental ideas now used not only in physical chemistry but in other disciplines as well.

In April, Dr. Ray Lemieux, another Chemistry Professor, travelled to London, England where he has been presented the Haworth Award and Medal of the Chemical Society of London. Dr. Lemieux, known as the first person to synthesize sucrose, has recently been doing exciting work on the synthesis of structures that are related to human blood groups.

Dr. Satoru Masamune, also a Professor of Chemistry, received international recognition with the American Chemical Society's 1978 Award for creative work in synthetic organic chemistry. Dr. Masamune is described as one consistently doing difficult and imaginative work on problems at the forefront of chemistry.

coming events

The events listing in Folio normally refers to off and on campus events for the ten-day period subsequent to publication. For the issue of Folio being distributed to Alumni, however, we have extended the listing into February, in the hopes that those people who live in Edmonton and vicinity (over one third of all the graduates of the University) will find the listings useful. Anyone, whether from Edmonton and vicinity or visiting, is welcome to take advantage of the many events which take place on campus.

Music

Department of Music

19 January, Friday 8 p.m.
Robert Stangeland, pianist, will present a recital featuring compositions of Scarlatti, Beethoven, Schumann, and Prokofiev. Convocation Hall. No admission charge.

25 January, Thursday 8 p.m.
The fourth and final concert in the Explorations VII Concert Series. Provincial Archives and Museum Auditorium. No admission charge.

29 January, Monday 8 p.m.
Clarence Ledbetter, organist, will present a recital. Convocation Hall. No admission charge.

9, 10 February 8 p.m.
Doctor Miracle, an opera by Georges Bizet and *The Medium* by Gian Carlo Menotti. Convocation Hall. Tickets available from the Department of Music, 3-82 Fine Arts Building, and at the door.

17 February, Saturday 8 p.m.



Many of the Department of Music's recitals and many other events will take place in Convocation Hall in the coming months. All of the Department of Music's events in the Hall are open to the public, and most of them are free of charge. Because of seating capacity, however, advance reservations are sometimes available. For further information about specific events, consult the listing on this page or contact the Department of Music, telephone 432-3263.

The University of Alberta String Quartet will perform. Convocation Hall. No admission charge.

18 February, Sunday 8 p.m.
The University of Alberta Concert Choir will perform. Convocation Hall. Tickets available from the Department of Music, 3-82 Fine Arts Building, and at the door.

20 February, Tuesday 8 p.m.
Hugh Bancroft, organist, will present a recital. Convocation Hall. No admission charge.

21 February, Wednesday 8 p.m.
Student Composer Forum with works by students of Alfred Fisher, Malcolm Forsyth, and Manus Sasonkin. 1-29 Fine Arts Building. No admission charge.

25 February, Sunday 2 p.m.
A recital of tuba players. Directed by David Otto. Convocation Hall. No admission charge.

28 February, Wednesday 8 p.m.
The Edmonton Symphony Orchestra will perform. Convocation Hall. No admission charge.

Concerts are subject to change without further notice. Please contact the Department of Music for verification of dates at 432-3263.

Students' Union

3 February, Saturday 8 p.m.

4 February, Sunday 7 p.m.
SU Concerts presents Bruce Cockburn in concert. Tickets \$6.50 at the SU Box Office (HUB Mall), Mike's, and all Woodward's stores.

11 February, Sunday 3 p.m.
The Ukrainian National Federation presents Roman, pianist, and Suzanne, soprano, Rudnytsky in concert. Tickets \$6 at Heritage Trust, Heritage Office, and from members of the executive.

14 February, Wednesday 8 p.m.
The Edmonton Chamber Music Society presents Huguette Tourangeau, mezzo-soprano, and Alexandra Munn, pianist. Admission is by season membership only. Memberships are available at the SU Box Office, (HUB Mall), Canadiana Gifts, and by mail from the Society.

15 February, Thursday 6:45 and 9 p.m.
Rajho Hungarian Musicians and Dancers.

27 February, Tuesday 8 p.m.
Yardbird Productions present Paul Hann in concert. Tickets available at the SU Box Office

(HUB Mall), and at Mike's.

Latitude 53

4 February, Sunday 2:30 p.m.
A Chamber Ensemble—4
centuries of music for flute and
violin.

18 February, Sunday 2:30 p.m.
Student composers from Grant
MacEwan College, the University
of Alberta, and Alberta College
will perform. Admission is \$2.50
for non-members and \$3 for a
subscription series. 10048 101A
Avenue.

Alberta College

22 January, Monday 8:30 p.m.
The Edmonton Orchestra Players,
conducted by Marlin Wolfe will
perform the second concert in
Alberta College's 75th
Anniversary "International
Concert Series." Citadel
Shoctor Theatre.

5 February, Monday 8:30 p.m.
Gyorgy Seybok, pianist, will
perform. Citadel Shoctor
Theatre. For ticket information
and show times, telephone
425-1820.

Theatre

Studio Theatre

From 8 February. *Good News* by
Laurence Schwab and B.G.
DeSylva. Lyrics by B.G. DeSylva
and Lew Brown; music by Ray
Henderson. Corbett Hall. For
ticket information and show times,
telephone 432-2495.

Northern Light Theatre

From 25 January to 18 February
Take Me Where the Water's Warm
by James DeFelice. For ticket
information and show times
contact the Northern Light
Theatre Box Office, telephone
429-3110.

Citadel Theatre

Continuing. Cause Célèbre by
Sir Terence Rattigan. Directed
by Peter Coe.

To 21 January. *API 2967*
by Robert Gurlick. Rice Theatre.
From 21 February. *Charley's*

Aunt by Brandon Thomas. For
ticket information and show times,
telephone 425-1820.

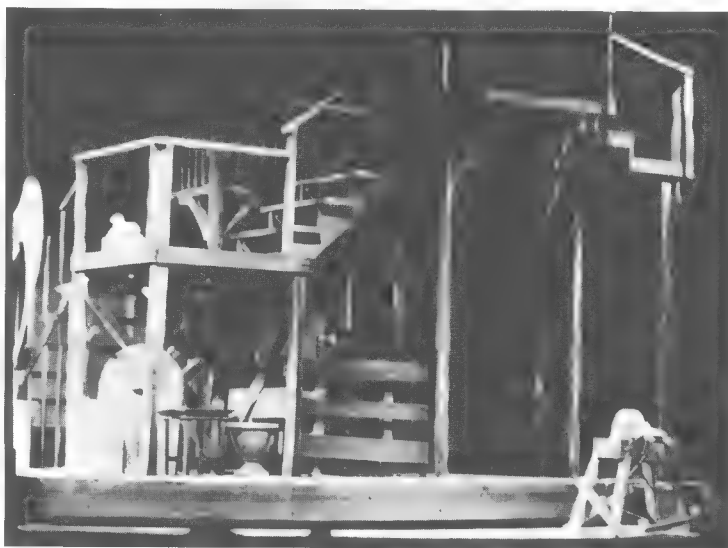
Espace Tournesol

2, 3, 4 February 8:30 p.m.
Solo dance artist Margie Gillis
will perform. Admission \$3.50;
reservations strongly suggested.
Telephone 471-5235.

Good News

Studio Theatre is a Students' showcase, affording the public with the opportunity to view some of Canada's leading young actors, directors, and designers as they prepare to enter professional theatre. Performances are held at Corbett Hall, 112 Street and 82 Avenue. Parking is easily accessible. Thomas Peacocke will direct Good News with lyrics by B.G. De Sylva and Lew Brown; music by Ray Henderson. This is a musical comedy about love, football, and campus life during "the good old days." Musical numbers include The Best Things In Life Are Free, Lucky In Love, and The Varsity Drag.

Good News will play from 8 February through 17 February. For ticket information and show times, telephone 432-2495.



The set from Act II of Studio Theatre's most recent production Look Homeward, Angel by Ketti Frings. The set design was by Willie Heslop. Studio Theatre's next production will be Good News, a musical comedy by Laurence Schwab and B.G. DeSylva.

Theatre 3

Continuing. Seasons, a musical
by Rick Fox, Tom Kerr, Susan
Wright, and Lawrence Gough.
From 27 February. *Streamers*, the
1976 Pulitzer Prize winning play
by David Rabe, and *The Island*.
For ticket information and show
times, 426-6870.

Théâtre Français d'Edmonton

From 24 January 8 p.m.
Le Bonnet du fou and *Le Brevet*
by Luigi Pirandello. Citadel Rice
Theatre. For ticket information,
telephone 469-0829.

Films

Student Cinema

24 January, Wednesday 7 p.m.
Double feature: *If* (Great Britain,
1969). *Joe Hill* (United States,
1971).

26, 27, 28 January 7 and 9:30 p.m.
The Rocky Horror Picture Show
(Great Britain, 1975).

20 to 24 February 8 p.m. The
Edmonton Separate School Board
presents *The King and I*. Tickets
available at St. Antony's
Teachers' Centre, telephone
439-7356. Students' Union
Theatre. Unless otherwise noted,

tickets are available at the SU Box
Office (HUB Mall), and at the
door.

Edmonton Film Society

22 January, Monday 8 p.m.
Trotta (West Germany, 1974).
Students' Union Theatre.

24 January, Wednesday 8 p.m.
Ecstasy (Czechoslovakia, 1933).
TL-11 Tory Lecture Theatre.

29 January, Monday 8 p.m.
The Moon's Our Home (United
States, 1936). TL-11 Tory Lecture
Theatre.

31 January, Wednesday 8 p.m.
The Shanghai Gesture (United
States, 1941). TL-11 Tory Lecture
Theatre.

5 February, Monday 8 p.m.
Jacob The Liar (East Germany,
1974). Students' Union Theatre.

7 February, Wednesday 8 p.m.
Eve (France, 1962). TL-11 Tory
Lecture Theatre.

19 February, Monday 8 p.m.
Day of Wrath (Denmark, 1943).
TL-11 Tory Lecture Theatre.

21 February, Wednesday 8 p.m.
Lolita (United States, 1962).
TL-11 Tory Lecture Theatre.

26 February, Monday 8 p.m.
Monkey Business (United States,
1932). TL-11 Tory Lecture
Theatre.

28 February, Wednesday 8 p.m.
*The Criminal Life of Arcibaldo
de la Cruz* (Mexico, 1955). Tory
Lecture Theatre, TL-11. Tickets
available at the SU Box Office
(HUB Mall), Woodward's stores,
by mail, and at the door.

Audubon Wildlife Films

24 February, Saturday, 8 p.m.
*East Side Story—Bahamas to
Quebec*, with speaker Walter
Berlet. Provincial Museum. For
ticket information, telephone
435-6010.

Citadel National Film Theatre

24, 25 January 7:30 and 9:30 p.m.
The Serpent's Egg (Germany,
1978).

26 January, Friday 7:30 and
9:45 p.m. 28 January, Sunday
8 p.m. *Tokyo Monogatari/Tokyo
Story* (Japan, 1953).

31 January, 1 February 7:30 p.m.
Jules and Jim (France, 1961).

Archaeology in Italy

From 3 March to 2 July 1979 two exhibitions of Italian archaeology will be on display at the Provincial Museum of Alberta in Edmonton. The exhibitions are devoted to an examination of the rural peoples of southern Italy during pre-Roman and Roman times. "Ancient Crossroads" presents to the Canadian public artifacts excavated from the territory of the ancient Greek city of Metapontion on the southern coast of the Italian peninsula. This city was founded as a colony by Greek settlers in the 7th century BC and the study of its impact on the indigenous inhabitants of the area has been one of the most significant archaeological investigations to have been undertaken in Italy in recent years. The theme is explored and illustrated through selected objects showing the native culture before and after the Greeks arrived.

The main focus of "Ancient

Crossroads," however, is on the Greek peasant population: the small farmers who lived and worked in the territory surrounding the city of Metapontion. The rural economic base of these farmers, their cultural and religious activities are vividly displayed in the wide range of artifacts that compose the exhibition. These are objects of pottery and jewellery which the ancient farmers and city dwellers used during their daily lives.

"Ancient Crossroads" was initially conceived and organized by Dr. J. Carter who continues to direct the University of Texas at Austin's excavations in the territory of Metapontion. "Villa Rustica" continues the rural theme by illustrating the changes that took place in the countryside of southern Italy after the Roman conquests of the third century BC. These changes, detailed in the work of Canadian



archaeologists, and particularly of a team from the University of Alberta, at Monte Irsi and San Giovanni di Ruoti in the mountainous region of Basilicata, were immense and affected both city and countryside. After the Roman conquests, southern Italy became something of a cultural backwater. In the countryside, more than in the towns, rich proprietors accumulated landholdings and built villas from which they or their agents farmed estates, often

with the use of slave labor.

The exhibition illustrates the techniques of modern archaeological research as applied at the two villas, or farms, at Monte Irsi and San Giovanni di Ruoti, and gives some indication of the importance of the results that have been gained so far. Visitors to the exhibition will discover how even minute pieces of evidence may be examined in the process of learning about the life and economic activities of our

9:15 p.m. *Pickpocket* (France, 1959).
2 February, Friday 7:30 p.m. *Jules and Jim* (France, 1961).
9:15 p.m. *Lumière* (France, 1976).
4 February, Sunday 8 p.m. *Lumière* (France, 1976).
7, 8 February 7:30 p.m. *Citizen Kane* (United States, 1941).
9 February, Friday 7:30 p.m. *Some Like It Hot* (1959) or *The Private Life of Sherlock Holmes* (1970).
11 February, Sunday 8 p.m. *Une Femme Douce* (France, 1969). For ticket information contact the Citadel Box Office, telephone 425-1820.

Cinematheque 16

21 January 2 p.m. *The Red Train* (Switzerland, 1973).
25 and 26 January 7:30 p.m. *The Wild Bunch*. For ticket information contact Cinematheque 16, telephone 437-3863.

Exhibitions

University Art Gallery and Museum

Continuing. An exhibition of prints by Bob Chaplin and photographs by Ivan Osborne.
From 1 February. "Mr. Jackson's Mushrooms," an exhibition of drawings and watercolors of mushrooms.

Provincial Museum

To 28 January. "Images From Alberta's Southeast," an exhibition of paintings and drawings of Alberta's southeast.

To 3 February. "Black Gold in Alberta," an exhibition of documents recording the history of black gold in Alberta.

To 18 February. "French Folk Art," an exhibition that interprets the origins, approaches and traditions of French folk art.



"Mr. Jackson's Mushrooms"

Students' Union Art Gallery

To 23 January. An exhibition of recent paintings by Anne Clarke, Diane Whitehouse, and Suzanne Funnell.

From 27 January to 11 February. An exhibition of photography and painting by senior students of the Banff School of Fine Arts.

Edmonton Art Gallery

Continuing. "Art of the Dene," an exhibition of native Indian works produced by the Dene people of the Northwest Territories.

"La Belle Anglaise/The Prints of James Tissot," an exhibition of prints by the turn-of-the-century French artist.

From 15 February. "Jack Weldon Humphrey," an exhibition of 100 drawings from 1923 to the early 1960s.

From 16 February. "George Weber," an exhibition of silk-screen prints by the well-known Alberta artist.

"Otto Rogers," an exhibition of paintings and sculpture by the Saskatoon artist.

ancestors. The exhibition was originally conceived by Dr. A.M. Small of the Department of Classics and director of the excavations, in cooperation with The University of Alberta Collections.



The Government of Italy, the University of Alberta and the Alma Mater Fund, the University of Texas at Austin, Alberta Culture, the US National Endowment for the Humanities, Peter and Alida Flynn of Edmonton, the Dante Alighieri Society, the CACW, and several other organizations and individuals, have all contributed to the display in Edmonton of one of the most important and exciting exhibitions to travel outside Italy within the last half century. The multi-disciplinary research represented in these two exhibitions is certainly at the forefront of archaeological investigation. The exhibitions should, therefore, prove to be of the greatest interest for the many visitors who are expected to view the displays at the Provincial Museum from March to July of this year.

When they move to Europe in late summer, both exhibitions will have been displayed at only two locations in Canada, first making their appearance at the University of British Columbia's Museum of Anthropology from 5 December 1978 to 11 February 1979.

Sponsorship and funding for the exhibitions has come from a variety of sources, notably the Ministero per i Beni Culturali e Ambientali of the Republic of Italy, and La Soprintendenza archeologica per la Basilicata, the Italian state archaeological service in Basilicata, whose former director Dinu Adamesteanu and current director Elena Lattanzi will be present at the opening reception in company with His Excellency Giorgio Smoquina, the Italian Ambassador. Renowned archaeologists, Dr. Adamesteanu and Dr. Lattanzi, will also present papers concerned with the theme of the exhibitions, the one to staff and students at the University, the other to the annual meeting of the Classical Association of the Canadian West (CACW) to be held this year in Edmonton.

Lectures and Seminars

Classics Seminar

15 February, Thursday 4 p.m.
"Wine Making in the Ancient World," with speaker T. Rossiter.
1-8 Humanities Centre.

Canada in the Western World Lectures

24 January, Wednesday 12:15 p.m.
"The Canadian Family and Child Socialization," with speaker Nicholas Petryshak. Alberta College.

31 January, Wednesday 12:15 p.m.
"Population Trends in Canada from a Comparative Perspective," with speaker P. Krishnan. Alberta College.

7 February, Wednesday 12:15 p.m.
"Multiculturalism: Canada and the USSR," with speakers Roman Petryshyn and Bohdan Krawchenko. Alberta College.

14 February, Wednesday 12:15 p.m.
"Choosing to Have a Child," with speaker Lyle Larson. Alberta College.



21 February, Wednesday 12:15 p.m.
"The Working Mother in Canada and Elsewhere," with speaker Rosalyn Sydie. Alberta College.

Public Lectures

24 January, Wednesday 7:30 p.m.
"Kautsky, Luxembourg and the Polish Question," with speaker John-Paul Hinka. 14-6 Tory Building.

7 February, Wednesday 7:30 p.m.
"The Adaptation of Poles to Canada," with speaker Joanna Matejko. 14-6 Tory Building.

21 February, Wednesday 7:30 p.m.
"Polish Identity in Canada and the Issue of Multiculturalism," with panel: P. Czartoryski, K. Krotki, A. Matejko, and H. Wojcicki. 14-6 Tory Building.

23 February, Friday 12 noon.
One Way Agape presents speaker Lane Lester. Students' Union Theatre. No admission charge.

The Guild for Mediaeval and Renaissance Studies Lecture

15 February, Thursday 8:15 p.m.
A 15th Century Scottish Poet: Robert Henryson's "The Testament of Cresseid," with speaker Stephen Scobie. 3-19 Humanities Centre.

Botany Lectures

24 January, Wednesday 4:30 p.m.
"Marmot Basin, Jasper National Park: the Alpine Plant Communities and Impact of Ski Activities," with speaker Evelyn Hamilton. M-149 Biological Sciences Building.

31 January, Wednesday 4:30 p.m.
"A Numerical and Experimental Analysis of the Heat Pulse Velocity For Measurement of Transpiration," with speaker Robert Swanson. M-149 Biological Sciences Building.

7 February, Wednesday 4:30 p.m.
"Vegetation-Soil Relationships in Banff and Jasper National Parks," with speaker Peter Achuff of the Northern Forest Research Centre. M-149 Biological Sciences Building.

14 February, Wednesday 4:30 p.m.
"A New Species of Psilophyton From The Devonian of Northern New Brunswick," with speaker Jeff Doran. M-149 Biological Sciences Building.

21 February, Wednesday 4:30 p.m.
"Generation and Metabolism of Formate in Greening Barley Leaves," with speaker Dave Gifford. M-149 Biological Sciences Building.

Canadian Institute of Ukrainian Studies Lectures

23 January, Tuesday 12:30 p.m.

"The Peasant Revolution in Ukraine," with speakers Jars Balan and Bohdan Chomiak. 352C Athabasca Hall.

30 January, Tuesday 12:30 p.m.

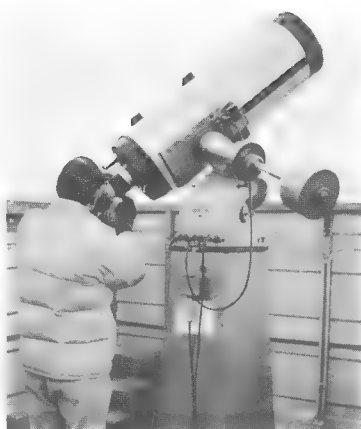
"Ukrainian-Canadian Communists and the Kryza in Alberta," with speaker Andrij Makuch. 352C Athabasca Hall.

6 February, Tuesday 12:30 p.m.

"Fables about Animals," with speaker Bohdan Medwidsky. 352C Athabasca Hall.

20 February, Tuesday 12:30 p.m.

"Shevchenko—the Great Ukrainian Romanticist," with speaker Oleh Zujewskyj. 352C Athabasca Hall.



Each Friday evening from September through May, the University of Alberta Observatory is open to the public for a viewing of the night sky.

Depending on the time of year, sky conditions, and interests of the visitors, a number of different objects may be observed through the telescope.

The observatory is located on the roof of the Physics Building within an enclosure with a sliding roof. Should weather conditions prohibit viewing, an audio visual display is substituted.

There is no admission charge, but reservations are required.

For more information and tour reservations, telephone the Office of Community Relations, 432-2325.

Points of Interest

Faculté Saint-Jean

30 January, Tuesday 8 p.m.

La Vraie Nature de Bernadette Brown by Gilles Carle. Auditorium, Faculté Saint-Jean.

9 February, Friday "Multicultural Day," a day and evening of

activities to celebrate multiculturalism. Faculté Saint-Jean.

10 February, Saturday. "Carnaval d'Hiver," a variety of activities are planned. Faculté Saint-Jean.

Students' Union Theatre

25 January, Thursday 8 p.m.

Chinese Folk Festival. For further information contact Kim Hung, telephone 462-4757.

28 January, Sunday 2:30 p.m.

The India Students' Association presents *Republic Day Celebrations*. No admission charge.

31 January, 1, 2 February 7 p.m.

The Medical Students' Association presents the Annual Med Show. Tickets available from medical students only.

8, 9, 10 February 8 p.m.

The University of Alberta Orchestral Creative Dance Club presents "Orchestral Dance Motif

'79." Tickets available at the SU Box Office (HUB Mall), and from members.

In December, the University of Alberta was the setting for international hockey action as the University's Golden Bears acted as hosts for the second Pacific Rim International Hockey Tournament. Pictured is some action in the Golden Bears' end as they tangle with the Japanese National Team. The third team involved in the tournament was the United States entry, the University of Denver Pioneers, a top US college team. The tournament saw the Bears go undefeated as they successfully defended their Pacific Rim championship, won last February on Japanese ice.

publications

Notices of all publications by staff and students of the University of Alberta should be sent to the Office of Community Relations, Publications Column, 423 Athabasca Hall.

Denham, R.A. (Business Administration): *New Public-Sector Audit Legislation in Canada. Canadian Public Policy-Analyse de Politiques* 4, no. 4 (1978): pp. 474-488.

Fenna, D., et al. (Medicine): *The Stockholm County Medical Information System*. Heidelberg: Springer Verlag, 1978.

Gill, D.S. (Rural Economy): *Education for Rural Youth—Some Problems of Learning Needs*. International Institute for Educational Planning, Occasional Paper 49. Paris: UNESCO, 1978.

Grant, R.J.S. (English): *Cambridge, Corpus Christi College 41: The Loricis and the Missal*. Amsterdam: Editions Rodopi N.V., 1979.

Green, L.C. (Political Science): *Liability to the Unborn. Legal Medical Quarterly* 2 (1978): pp. 82-96.

Hage, K.D., and E.R. Reinelt, eds. (Geography): *Essays on meteorology and climatology: in honour of Richard W. Longley*. Edmonton: Department of Geography, University of Alberta, 1978.

Bergman, J.F., *Climate and man in Patagonia*.

Campbell, I.A., *Local storms and sediment yields in the Stevelille badlands, Alberta*.

Laycock, A.H., *Precipitation mapping in Alberta*.

Smith, S.I., *Perceiving and using climate in a tropical environment*. Wonders, W.C., *The Joint Arctic Weather Stations (JAWS) in the Queen Elizabeth Islands*.

Kosinski, L.A. (Geography): *Yugoslavia and international migration. Canadian Slavonic Papers* (Special issue on Yugoslavia) 20, no. 3 (1978): pp. 314-338.

———, and J.I. Clarke, eds. *Population redistribution in Africa: Proceedings of the symposium in Zaria, Nigeria*. Edmonton: International Geographical Union, Commission on Population Geography, 1978.

Qureshi, A.H. (English): *Edinburgh Review and Poetic Truth*. Costerus. *Essays in English and American Literature* n.s. 16. Amsterdam: Editions Rodopi N.V., 1978.



people

J. William Lown, Professor of Chemistry, visited the Department of Oncology and Pharmacy at the University of Wisconsin, Madison, and presented an invited lecture entitled "The Molecular Mechanism of Antineoplastic Action of Nitrosoureas," 13 December 1978.

Charles H. Davis, Dean of the Faculty of Library Science, has received one of the 1978 Watson Davis awards from the American Society for Information Science. Dr. Davis currently chairs the Western Chapter of ASIS and has recently been elected to ASIS Council, the governing body of the society.

L.C. Green, University Professor, addressed the Victoria, Vancouver, Saskatoon, Regina, and Winnipeg branches of the Canadian Institute of International Affairs. In addition, Dr. Green lectured on terrorism at the Royal Roads Military College in Victoria. He also attended as a Canadian government representative the International Conference on Terrorist Control, held at the US State Department, Washington, DC.

J.R. Royce, Director, Center for Advanced Study in Theoretical Psychology, attended the 7th International Conference on the Unity of the Sciences, held 24 to 26 November in Boston. This year the conference brought together over 400 participants from 60 countries on the theme: "The Re-evaluation of Existing Values and the Search for Absolutes Values." Dr. Royce presented an invited address entitled "Human Nature, Metaphoric Invariance, and the Search for Self-Knowledge," (co-authored with *A. Powell*, Center Research Associate).

Ernie J. Ingram, James M.



A collection of plants from all areas of the tropics are available for public viewing in the Plant Science Tropical Display Greenhouse. Located just south of the Agriculture Building, the Greenhouse is open from 9 a.m. until 3:30 p.m. weekdays and from 2 p.m. to 4 p.m. Sundays and is often visited during a guided campus tour. Guided tours can be arranged on weekdays for groups of 5 or more. Practically any area a group might wish to visit can be accommodated within a campus tour. For more information or to request a tour, telephone the Office of Community Relations 432-2325.

Small (Educational Administration), and *Abram G. Konrad* (Coordinator of the Centre for the Study of Postsecondary Education) consulted with the Superintendent of Education and other government officials of the Yukon, 11 to 15 December. The Department of Educational Administration and the Postsecondary Education Centre have contracted with the Yukon Government to conduct a study concerning

"Continuing Education Opportunities in the Yukon." Interviews were conducted with local residents in Whitehorse, Faro, Haines Junction, and Watson Lake.

While in the north, the research staff also visited Yellowknife and Fort Smith, to ascertain the approaches to continuing education which are being explored there.

alumni notes

24 A lovely new library courtyard has been named after *Lesley Heathcote, BA*. As director of libraries for twenty-three years at Montana State University, Miss Heathcote was presented with the alumni association's prestigious Blue & Gold Award "in recognition of distinguished services which have contributed to the benefit of mankind." By the time Miss Heathcote retired nine years ago the number of volumes in the MSU library had increased from 75,000 to more than 400,000.

25 A recent note from *C. K. Johns, BSc(Ag)*, indicates that he and wife, Jean, are still very much on the move. He is to be found at a new address, Box 96, Stittville, Ontario. While in the West over the summer, "C.K." stopped by to accept membership in the Alumni Hall of Fame at the annual reunion of the Olds College Alumni Association. Dr. Johns was honored with a place in the "Hall" for his professional achievements as an internationally recognized dairy scientist, able speaker, and a highly regarded man.

26 According to the *Lethbridge Herald*, "there is just enough cowboy left in him (Mr. Justice *James Valentine Hogarth Milvain, LLB*) that he is interested in people of every walk of life." Nearing retirement, the self-described "cowboy chief justice" of Alberta's highest trial court says his upbringing on a south ranch has given him a special feel of this area's people and problems.

A research scientists whose work led to the development of Duram Wheat varieties has been honored with a doctorate degree from the University of Manitoba,

Seventy Years Later

Ethel Cameron Anderson and Ralph Carlton Hargrave were members of the first graduating class of the University of Alberta in 1912. While there were earlier convocations of students finishing degrees begun at other universities, these two people were in the class that started in 1908 and graduated in 1912.

That first graduating class was composed of eighteen students. In the academic year 1977-78 this institution awarded 5,400 degrees and diplomas. Although the publication date of this issue of *Folio* did not permit us to interview Ethel Anderson or Carl Hargrave, it is our intent in the coming year to talk with them and other alumni from those very early classes.

While we appreciate hearing from any of the alumni of this University, we feel that such individuals as Ethel Anderson and Carl Hargrave offer the University the unique opportunity of achieving insight into years when the traditions of the University of Alberta were first being formed.

Dr. J. Ansel Anderson, BSc(Ag), is a former director general of the research branch, Agriculture Canada.

27 When *Dr. Terence Myles, '65 MD*, was made a Kainai chief of the Blood Indian tribe at a colorful ceremony at Standoff, Alberta, his mother, *Eugenie (Butler) Myles, BA*, was present. The ceremony involves the presenting of a chieftain's headdress and much painting of the skin. Mrs. Myles described the event as a "delightful and surprising honor bestowed on Terry."

29 Research into the biography of Canadian



Ethel Cameron Anderson

journalist and wartime correspondent, the late *Matthew Halton, BA*, is being carried out by a team of collaborators in Eastern Canada. Anyone having information, reminiscences, pictures or deeds to share regarding Mr. Halton, should contact Kenneth Dyba, #12, 1920 Bloor St. West, Toronto M6P 3K8.

30 *Norman W. McLeod, BSc(Eng), vice-president*

This photograph of about two thirds of the first students at the University was taken in 1908. The photograph was first noticed in President Tory's scrapbook which is now housed in the University Archives. The students are standing in front of the Duggan Street School where the classes of the first term of the University of Alberta were conducted.



Ralph Carlton Hargrave

and asphalt consultant, McAsphalt Engineering Service, Toronto, has been named recipient of the Prevost Hubbard Award by the American Society for Testing and Materials (ASTM). Mr. McLeod was cited for his "outstanding service to the committee and his work in the field of bituminous road and paving materials."

31 A retired medical practitioner with a long

and distinguished career has been honored by the Canadian Medical Association. *Robert Kenneth Thomson, MD*, a past president of the CMA and the Alberta Medical Association has been awarded the organization's medal of service. The Award is given annually to a doctor whose personal contributions have raised medical practice standards and advanced the state of medicine.

Maimie Simpson



"Pembina Hall is a residence for women," stated the University of Alberta Calendar for 1951-52. The warden of Pembina Hall was also The Dean of Women. This warden, this Dean, was the first person I met when I arrived on the Campus, having left my parents, my farm and my small hometown for the first time. She was tall and overwhelming; I was short and frightened. But I noticed her eyes and I knew immediately that I was safe. Her name was Miss Maimie Simpson. —from a letter by Clara (Angeltvedt) Hare

The sentiment expressed in the above passage is probably echoed by many of the people who came into contact with Maimie Simpson in their student days. In fact, many of the relationships she made with students continued for years after their graduation and her official retirement.

As the University's first Dean of Women and in the many other capacities in which she served, she took the opportunity to befriend and help countless students, both men and women.

The Maimie Simpson Memorial Fund has been established to honor Miss Simpson's memory. Plans for the Fund include the establishment of scholarships or bursaries, the purchase of art works for the campus, and a commemorative plaque for Pembina Hall.

Maimie Simpson came to Edmonton from Northern Ireland as a young girl in 1911. Following completion of a teacher training program at Camrose Normal School and two years of rural school teaching, she enrolled at the University of

Alberta in 1918. After acquiring a BSc and an MSc at the University, she became the second woman to receive a Bachelor of Education degree from the University of Alberta.

In 1945 she was named to the teaching staff of the University as Associate Professor of Education. The following year she was made advisor to women students. In 1948 she became warden of Pembina Hall, and in 1950 she was appointed the first Dean of Women. She retired from the University in 1960, and in 1977 she died in Victoria, British Columbia.

From the time of her registration at the University until long after her retirement from the Faculty, Miss Simpson, in official and unofficial capacities, served the University of Alberta faithfully. Those people wishing to contribute to the Maimie Simpson Memorial Fund should send their contributions to: The Maimie Simpson Memorial Fund, c/o Alumni Association, 430 Athabasca Hall, University of Alberta, Edmonton, T6G 2E8.

32 Vladimir Ignatieff, MSc, is the first Canadian to be elected an honorary member of the International Society of Soil Science.

34 Mayor Andy Anderson, BSc(Pharm), has a familiar ring. And it should, because Andy has been mayor of Lethbridge now for more than a decade.

35 Royal Trust has announced the appointment of James M. Cameron, BSc(Eng), as a director of the company.

B.K. Acton, BSc(Ag), has completed a two year assignment in the highlands of Northern

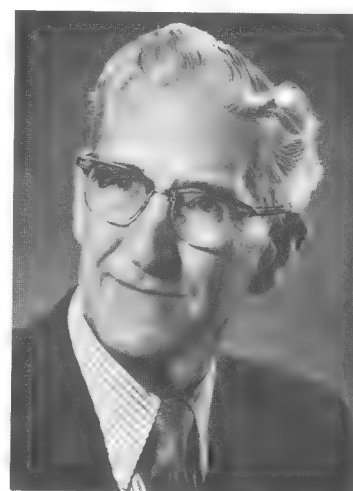
Tanzania and returned to Vancouver.

36 After 18 years as director of the Research Institute of Canada Agriculture at the University of Western Ontario, E. Y. Spencer, BSc, has stepped aside to undertake a special assignment for a year before retirement. In the meantime, he has been appointed editor of the international journal, Pesticide Biochemistry and Physiology.

James Francis Elliott, MD, has been named a distinguished clinical professor at the University. The Department of Medicine proposed this title be awarded



Norman W. McLeod, BSc(Eng) '30



R.K. Thomson, MD '31

to Dr. Elliott in recognition of his more than three decades of meritorious teaching services and of his exemplary care of patients. Dr. Elliott is the first recipient of the title.

37 *G.A. Connell, BSc(Eng)*, has been appointed director, production department, Gulf Canada.

38 *A. Franklin Johnson, BSc*, is assistant dean and director of Washington University's Three-Two plan.

L.W. Kennedy, BSc(Eng), general manager, Texaco Canada, has assumed the headship of the refining department.

39 *John E. Oberholtzer, BSc*, is on an assignment with Canadian Executive Services Overseas in cooperation with the Bahamas Government. He is acting as personnel administration advisor to the Bahamas Water & Sewerage Corporation, Nassau.

40 *Rev. Edwin Stephens, BA*, has a new home near Clinton, Ontario.

Andy Garrett, BA, is general executive of Broadcast News Ltd., Winnipeg.

Fred A. McKinnon, BSc, is director of Fluor Canada Ltd.

41 *Alexander Smith, Q.C., LLB*, professor emeritus of law, has endowed the Dr. Alexander Smith, Q.C. Prize in Law in the subject of contract. The income from the endowment will provide an annual award in excess of \$300.00.

42 The education library on campus has taken on the name of former Dean *Herbert T. Coutts, MA*. The name change, requested by the faculty, acknowledges Dr. Coutts' contributions to the development of the faculty of education and the University of Alberta.

At a recent meeting of the National Energy Board, it was suggested by *Bruce Willson, BSc(Eng)*, spokesman for the Committee for an Independent Canada, that the Canadian Petroleum Association was making unrealistically high estimates of Canada's natural gas reserves.

This year's recipient of the gold medal of the Canadian Council of Professional Engineers is *George Ford, BSc(Eng)*, Dean of the faculty of engineering 1971-76. The award, which honors the outstanding engineer in Canada, recognizes outstanding contributions to the development of the engineering profession at both the provincial and national levels.

Ronald R. Jeffels, BA, principal of Okanagan College has been appointed to the Human Rights Commission of B.C. for a three year term.

43 *Brent Scott, BSc(Eng)*, is president of Syncrude Canada.

J. Louis Lebel, LLB, vice-president of Chevron Standard Limited, is the new Chancellor of the University of Calgary.

E. Warren King, BSc(Eng), is chairman of the Canadian Gas Association.

44 *Blanche (Machon) Howard, BSc*, was this year's Prime Ministerial appointment to the Board of Directors of the Vanier Institute of the Family. A chartered accountant and novelist, Mrs. Howard was the 1973 winner of the Canadian Booksellers' Association award for "Pretty Lady" and the "Immortal Soul of Edwin Carlyle."

46 *James Baugh, BSc(Eng)*, is chairman of the Canadian Petroleum Association.

The man heading Alberta's 2500 doctors is *Richard Corbet, MD*. Dr. Corbet is a Calgary pediatrician.



Herbert T. Coutts, MA '42

Homecoming '78

Part of the Homecoming football game ritual on the campus grid is the official kick-off. Distance records remained unbroken following a "hoof" by Judge Ed Stack, '53 LLB, president of the Students' Union a quarter century removed.



47 *Roberta B. Kiefer, BEd*, is chief psychologist of Godding Division, St. Elizabeth Hospital, Washington, D.C. as well as carrying on private practice in clinical psychology in her home in Fairfax, Virginia.

48 *John R. Huckell, BSc*, is director of the division of orthopedic surgery, University Hospital. Dr. Huckell is a fellow of the American Academy of Orthopedic Surgeons and of the Royal College of Physicians and Surgeons of Canada.

The international secretary of The Institute of Internal Auditors Inc., an international professional association with more than 16,000 members, is *Robert L. Jones, BCom*.

49 *Robert Walter Payne, BA*, is Dean of the faculty of human and social development,

University of Victoria.

The largest coal mining operation in Canada, Kaiser Resources Ltd., has as its president, *Walter Riva, BSc(Eng)*.

James E. Finlay, BSc(Eng), vice-president, planning,



George Ford, BSc(Eng) '42

It was as fine a five minute response to a toast as one will hear. His Honour Mr. Justice Ronald Martland, '28 LLB, Rhodes Scholar elect, and class valedictorian was in fine form representing the Golden Graduates at Homecoming.



An "extraordinary" meeting of the Students' Union Council 1952-53, the silver year, was convened at Fall Homecoming. President Judge Ed Stack, '53 LLB, was in the chair. A convivial luncheon welcome at the Faculty Club was extended to all returning members of the Council team.

Seen left to right (standing) Tom Jackson (Politico), Gabriel Boulet (Agriculture), Judge Ed Stack (President), Bob Dinkel (Law), Al Armstrong (Secretary), Doug Williamson (Music). Left to right (seated) Elsbeth (Loggie) Berg (Nursing), Billie Niblock (UAB), Clara (Angeltvedt) Hare (Education).



They're rare birds "diamond graduates" that is. Hale and hearty and up front to accept his commemorative token at the Homecoming Banquet & Ball was B.J. Whitbread, '18 BSc(Ag).

Falconbridge Nickel Mines, is the new president of the Ontario Mining Association.

Donald D. Phillips, BSc, is general manager, research and development with Mobile Chemical Co.

Norman Boyse, BSc, is president and chief operating officer with Quaser Petroleum Ltd.

50 Grant Wagner, BSc(Ag), has been appointed chief of administration and program services, Prairie Farm Rehabilitation agency.

Ralph Hyde, LLB, is a judge of the provincial court.

Ivan Finlay, BSc(Eng), the first full time registrar of the Association of Professional Engineers, Geologists and Geophysicists of Alberta, has retired. Part of his farewell reward, but in good blistering

fashion, was a "roast" at the last annual convention of the Association.

51 Betty (Blackburn) Mullen, BSc(HEc), has been honored by the Alberta Home Economics Association. The Fellow Award was placed with her in recognition of service to the Association and the community.



A loyal and long time servant of the University, the former bursar, J. 'Mac' Whidden, '28 BCom, took delight in accepting a golden Homecoming gift from John Schlosser, Chairman of the Board of Governors.

Branches

Two of the ladies, Mrs. Sally (Ramsey) Abbott, '62 BSc(Nu), left, and Mrs. Sandra (Price) Lawrence, '62 BSc(Nu), were co-hostesses at the Montreal branch meeting.



The principal guest at the tri-city alumni meetings in Montreal, Ottawa and Toronto, was President Harry E. Gunning (left) in discussion with Wilfrid Wees, '23 BA, one of Canada's best known humanistic educators. Dr. Wees was recently accorded the title of Fellow of the Ontario Institute for Studies in Education in recognition of the legion of achievements and honors amassed during his three decades of involvement in Canadian education.



Part of the hard working alumni team that put the Ottawa branch meeting pieces together were branch president Joe Jacobson, '51 BEd, right, Shirley Colton, and Sam Estwick.

52 J.S. 'Sid' Lore, BSc(Ag), former livestock commissioner in charge of Alberta agriculture department's beef cattle and sheep branch, is now director of animal industry.

Bill Bray, BSc(Ag), and wife Jean (Scott) Bray, BSc, are in Amman, Jordan for a year or so. Bill is senior research officer for an ICARDA wheat development project, and doing some lecturing at the University.

Ross Garrison, BSc, is director, product development,

Parke, Davis & Co. in Greenwood, South Carolina.

Mel Carlson, BSc(Eng), is manager gas transmission operations, Foothills Pipe Lines (South Yukon) Ltd.

Paul Klinge, LLB, is well into his seven year term as fulltime commissioner with CRTC.

53 A Calgary attorney, Robert S. Dinkel, BA, is a member of the general council of Phi Delta Theta fraternity.



Blanche (Machon) Howard, BSc '44 Robert L. Jones, BCom '48

The president-elect of the largest organization of lawyers in Canada, *Thomas J. Walsh, LLB*, is a community activist. He has big goals for the legal community he is about to lead.

Trevor Fregren, BSc(Eng), is manager of Inco Metals Company's Port Colborne nickel refinery.

55 The board of directors of Amoco Canada Petroleum Co. Ltd. has as one of its directors, *David Q. Martin, BSc*.

57 *Patricia E. Simonds (Mrs. Eglinski), MD*, practising psychiatrist in Edmonton is vice-chairman of the Alberta Alcoholism and Drug Abuse Commission.

George Alan Robison, BSc(Pharm), pharmacologist and author, Houston, Texas, is one of the 300 most frequently cited authors in science, based on papers published between 1961-1976.

Raymond C. Anderson, LLB, is Canadian consul general in Los Angeles.

John K. Burrell, BSc(Eng), is vice-president, operations, with Foothills Pipe Lines (South Yukon) Ltd.

Gordon E. Arnell, LLB, is a trustee of the Trust, TD Realty Investments.

58 *Tony Milobar, MD*, is president of the British Columbia Medical Association.

Edward 'Ted' Moser, BA, is managing editor of the Toronto Globe & Mail.

Jack D. Clemis, MD, is secretary of scientific programming, American Academy of Ophthalmology and Otolaryngology.

59 *R.D. Bercov, BSc*, professor of mathematics at the University, is president of the Canadian Association of University Teachers.

J.R. 'Barrie' Orr, MSc, is chief geologist, Petromark Minerals Ltd.

Albert Lukey, BSc(Eng), is chief engineer of implementation for the Saskatchewan Division, Prairie Farm Rehabilitation Administration.

Joyce Perrin, BSc(Nu), is assistant executive director,

M.A.A. Outstanding Achievement Award



A most deserving recipient of the Medical Alumni Association's Outstanding Achievement Award '78 was Dr. Helen Huston, '51 MD. Dr. J.D. (Mac) Alton, '51 MD, MAA president, in presenting the Award, spoke warmly of Dr. Huston's singular accomplishments as a medical missionary in Nepal.

Canadian Council on Hospital Accreditation. She is specifically involved in accreditation and patient/resident care appraisal, particularly in the long term care field.

D.K. McBeath, MSc, is assistant director, Lacombe Research Station.



Joyce Perrin, BSc(Nu) '59

60 *Drake Hocking, BSc*, chief of Wildlife Management for Canadian Wildlife Services (Western and Northern regions) is on leave of absence in Bangladesh. He has taken on a Columbo Plan assignment as natural resources advisor to the government there. Wife, *Anna Hocking, BA'72* consults in rural development.

Darlene Wong, LLB, is a judge of the provincial court.

61 *Sheran (Heppler) Christensen, BSc*, runs her own brokerage firm, Christiansen Real Estate Ltd. in Ottawa.

62 *T. Darryl Hutchings, BCom*, is director of administration, Abacus Cities Ltd.

R.J. Killeen, BED, was given a "surprise gift" recently from 380 students at Camille J. Leroy Collegiate in Red Deer: a barometer containing an engraved plaque. Mr. Killeen has retired as principal.

Invitation to apply

Emil Skarin Memorial Fund

Applications are invited to the Emil Skarin Memorial Fund Committee of the University of Alberta Senate for a 1979 project or projects worthy of financial support amounting to \$5,000 from the Fund.

Projects must be of some value to the public as well as to the University of Alberta, be consistent with the general aims and purposes of this University, and not normally be funded by it. Preference will be given to projects with an emphasis on the humanities and the arts, but there are no restrictions on the nature of eligible projects.

Project proposals should include objectives, schedule, budget, procedures for organization and evaluation. Application forms are available on request, and fully completed applications should be sent before 2 April 1979 to:

Chairman, Emil Skarin Memorial Fund Committee
The Senate
The University of Alberta
150 Athabasca Hall
Edmonton, Alberta
T6G 2E8

63 *Larry M. Brocklebank, BSc(Eng)*, is manager, pipeline division, Loram International Ltd.

John R. Jameson, BSc(Eng), is general manager, foreign operations Associated Pipe-Line Contractors Inc., Houston, Texas.

Fred E. Lamb, BCom, is director of marketing, Rockwell International of Canada Ltd.

Clarence Robinson, BEd, is serving in Prestwick, Scotland, with the British Naval Air Arm as an exchange officer, Canadian Armed Forces.

Tarrnie M. Williams, BSc, is president of Sydney Development Corporation, a Vancouver based public company specializing in computer software development for project management.

64 *Lloyd Morin, MEd*, director of instructional development and institutional research for Camosun College, Victoria, has been named principal.

Lawrence H. Payne, BA, is president, director and chief operating officer of Calgary's Sceptre Resources Ltd.

Ron D. Loudon, BCom, is manager LPG marketing, Pan-Canadian Petroleum Limited.

R.W. Sexty, BCom, is associate director of the business school, Memorial University, Newfoundland.

Neil J. 'Bud' Gamble, MA, is acting dean of academic affairs, Mount Royal College, Calgary. He is responsible for conservatory of music departments and the community service program.

Henry Jensen, BCom, assistant commissioner RCMP, is now the commanding officer of the Force's largest division, that of Lower Mainland British Columbia.

Tom Willock, BSc, is curator of Medicine Hat's historical museum.

65 *Douglas G. MacKenzie, BSc(Eng)*, is Atlantic region marketing manager, Imperial Oil Limited.

James A. Dabbs, BCom, is executive vice-president with Siebens Oil & Gas Ltd.

Athabasca Wins Heritage Award

The reconstruction of Athabasca Hall, the oldest and now the newest building on campus, was of prize winning quality. A Heritage Canada Award of Honour was of special significance at a presentation at Government House, Ottawa, late in September. Accepting the Award, a large bronze plaque and certificate, on behalf of the University was Morris Flewwelling, '64 BEd, vice-president of the General Alumni Association, and a member of Senate. Representatives of the Ottawa branch of the Association attended the ceremony at Rideau Hall. Seen, flanking a picture of former Governor-General Roland Michener, '20 BA, are left to right (standing) Bob Beaudoin, '72 BA, Sam Estwick, Joe Jacobson, '51 BEd, Mrs. Louise (Wilson) Estwick, '49 BSc(HEC), Morris Flewwelling, Dolly Jacobson, Beverley Simcox, (ront) Mrs. Beaudoin, Phil Patsula, '58 BSc, Mrs. Patsula, Mrs. Hazel (Waldburger) Flewwelling, '68 BEd, Stan Grover, '62 BSc(Eng).



M.G. 'Mel' Poole, BCom, is associate vice-president (Finance and Administration) at the University.

66 *Dale W. Bossert, BSc(Eng)*, is with Champlin Petroleum Company as production manager, Canadian division.

A former bank manager, *Emil Dmetro Chapelski, BCom*, is the first winner of the B.C. Law Society's gold medal after three years of study at the University of

Victoria. Emil has led his class each year since the law faculty opened in 1975.

Directing the activities of some 1,000 employees and a budget of more than \$125 million is part of the work of *Owen Anderson, BA*, director of operations, Ontario Indian Affairs department.

E.A. Holdaway, MEd, is director of the office of institutional research and planning at the University. As such he

will be heavily involved in the long-range planning of the institution.

67 *Mahlon Weir, BSc(Ag)*, is 4-H supervisor of club projects, Alberta Agriculture's home economics and 4-H division.

Gary S. Boon, BSc(Eng), is chief petroleum engineer, Algas Mineral Enterprises Ltd., Calgary.

James A. Humphries, BSc, has acquired a PhD degree from Arizona State University.

Phil Cove, BA, is senior liaison officer, Northern Pipelines Branch, Indian and Northern Affairs department.

Craig Karpilow, MD, has moved his medical practice from St. John's, Newfoundland, to a solo practice in Carson City, Nevada.

King's College, affiliated with the University of Western Ontario, has *Nicholas F. Skinner, MSc*, as chairman of the department of psychology.

68 *Derek Younge, MD*, has joined the staff, division of orthopaedics, King Faisal Specialist Hospital and Research centre in Riyadh, Saudi Arabia.

69 *Wayne Heth, BSc(Eng)*, is senior staff engineer, Amoco Canada Petroleum Co. Ltd.

70 *Marg Camp, BSc(Nu)*, has retired from the Athabasca Health Unit where she worked as a community health nurse for several years. Home base is now Ponoka.

Bob Foulkes, BSc, is public



M.G. Poole, BCom '65

Alumni Golden Jubilee Award '78

The advent of Fall Convocation in November signalled a number of important program items. One of these was the presentation by Alumni president, R.J. (Bob) Edgar, '55 Pharm, right, of the Alumni Golden Jubilee Award '78 to Chancellor Emeritus, Ron Dalby, '52 BSc(Eng). The Award is placed annually with someone, not necessarily an alumnus, who has contributed significantly to the welfare of the University either directly or indirectly.



affairs manager with Petro-Canada.

Peter McArthur, MD, is completing his second year in the division of otolaryngology, King Faisal Specialist Hospital and Research centre, Riyadh, Saudi Arabia.

Katherine Govier, BA, living in Toronto, has published her first novel *Random Descent*.

71 Patricia Findlay-Whitmire, BSc(HEC), has acquired a MA degree from Arizona



E.A. Holdaway, MEd '66

State University, and has taken up residence in Phoenix.

Being responsible for organizing creative and cultural programs in Red Deer is **Linda Moore, BSc**.

72 Roger Perron, BA, is with Monarch Life as assistant superintendent of sales.

Derrick Curtis, BSc(Ag), is assistant manager, Council of Forest Industries of B.C., northern interior lumber sector, responsible for interpretation of government policy in forestry matters.

Patricia (Baines) Curtis, BA, is teaching in Prince George.

73 Gilbert St. Arnaud, BPE, is teaching French, language arts, social studies and outdoor education to grades 7, 8 and 9 at St. Francis of Assisi Jr. High School, Edmonton.

Gary Lieskovsky, MD, was the recipient of the first Fred Jenner Memorial Scholarship from the University, named after a former chairman of the University's Board of Governors. The scholarship is allowing Dr. Lieskovsky to train at the University of California with a noted cancer specialist.

Peter Marcus Venner, MD, is the recipient of a Cancer Society fellowship, studying drug resistance development in cancer at the National Cancer Institute, Bethesda, Maryland.

74 It was a proud family affair recently in Alberta Supreme Court when Mr. Justice **Tevie H. Miller, LLB '50**, admitted his daughter, **Catherine (Miller) Dolgoy, LLB**, to the Alberta Bar. Her admission continues the Miller family's legal tradition into the third generation. Mrs. Dolgoy's grandfather, **Abe Miller**, was a member of the first graduating class in law.

Peter McCaffrey, BA, is economic development commissioner, regional district of Okanagan-Similkameen, B.C.

Paul G. Tizzard, MSc, is senior geologist with Mesa Petroleum Co., Calgary.

James Corley, MD, is a member of the medical staff, Sundre Hospital.

Linda M. (Prentice) Hansen, BSc(HEC), is regional representative, Alberta Environment, working out of their Calgary office and involved in coordinating their public participation program.

Marianne (Raasok) Cole, BEd, has completed her reign as "Miss Rodeo Canada."

75 The provincial hospital in St. John, New Brunswick, has **Joseph Alan deMora, MHSA**, as its new administrator.

Shirley Ross, MS, is filling an appointment at the Camrose One World Centre.

Malcolm 'Col' Sissons, CJ, is administrative assistant, responsible for public relations and information services, Faculté Saint-Jean, University of Alberta.

76 Keith Cornish, BEd, guidance counsellor for Wainwright School Division is Social Credit candidate for the city.

77 Theresa (Grob) Dolinsky, BSc(HEC), is home consultant, family farm improvement branch, Saskatchewan Agriculture.

In Memoriam

Edith (Hamilton) Shearer, '18 BA, '26 MD.

Arthur G. Scroggie, '22 BSc, '24 MSc.

Edna Hazel McIntyre, '24 BSc(HEC)

Margaret M. (Malone) Vant, '24 BSc(HEC).

Wilfrid G. Malaher, '25 BSc(Ag).
Hardwick Lynch-Staunton, '26 LLB.

W.E. Moderwell, '27 Pharm(Dip).

Harry John Laudan, '28 MD.

William T. Holgate, '30 BSc(Eng).

Harry Chittick, '30 BSc.

Eva Ruder Younge, '30 BA.

James C. Parlee, '33 BSc(Eng).

James Campbell McPherson, '34 MD.

Duncan Stewart, '35 DDS.

John William Peck, '36 BSc(Eng).

Neil Campbell, '37 BSc(Eng), '70 LL.D.

James MacKenzie Sinclair, '39 BA, '42 MD.

D.A.L. Tait, '41 BCom

John Alan Dean Thompson, '42 MD.

Robert Henry Blaquiére, '44 DDS.

James Aubrey Robertson, '44 BSc(Ag).

Kathleen Mary (Pike) Duncan, '45 BA.

Flora (Halina) Scott, '49 BSc, '54 MD.

Keith Nesbitt Bryant, '50 MD.

George Gladwin Meisner, '52 BSc(Eng).

Bruce Patterson, '52 BA, '53 LLB.

William Kenneth Blair Harkness, '59 LLB.

Norman Tretiak, '59 BEd.

Eugene Brody, '66 BA, '77 BSc.

R. Vernon, '67 BSc(Eng).

George Daryle Repka, '71 BA, '72 LLB.

Juris Andrija Radze, '74 BA, '77 LLB.

Ging Wayne Wong, '75 BSc.

Murray Muirhead, '78 MD.

Alumni Homecoming

Fall Homecoming 1979, 5 and 6 October, Anniversary Classes '19, '29, '39, '54, '69, '74



DO YOU NEED A DANCE SPACE?
for classes, rehearsals, workshops

The Alberta Contemporary
Dance Theatre
has studios to share
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This institution is in association with the University of Paris, Ecole du Louvre, Monuments historiques, Paris Conservatory, many renowned artists of the city, and leading fashion houses.

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Study Programs Include:
(please check)
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☐ January ☐ June
☐ September

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Fashion. There is no age limit for admission. Enrollment is composed of teachers, professionals, adults, and high school and university students. Tuitions include lodgings.

Canadian Representative: Jacquelin Ogg, Dept. of Drama, The University of Alberta, Edmonton, Alberta, T6G 2C9, Telephone 432-2492 (office); 435-1691; 432-2271 (message).

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Taught By JACQUELINE OGG

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Moshe Feldenkrais

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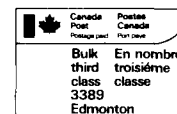
THURSDAYS
7:00 to 8:30 p.m.
SATURDAYS
10:00 to 11:30 a.m.

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service information

Notices

General Faculties Council Special Meeting, 22 January 1979
A special meeting of the General Faculties Council will be held on Monday, 22 January at 2:00 p.m. in the Council Chamber, University Hall, to consider the Report of the Board Committee on University Priorities.

Pre-School Art Program

The Department of Elementary Education is offering an art program for three and one-half to five year old children for ten Thursdays' beginning on 25 January 1979. For further information, telephone 432-5103.

University Chaplains Sponsor Marriage Preparation Course

The Chaplains of the University of Alberta will sponsor an eight week marriage preparation course this term. It will be held in the Meditation Room of the Student's Union Building on Tuesday evenings beginning 30 January, from 7:30 p.m. to 9:30 p.m. Resource personnel from the University will present the topics: Values and Expectations; Communication; Sex and Sexuality; Legal Aspects of Marriage; Budgeting Time and Money; Religion in Marriage; Man and Woman in the Community; Parenting and Planning Family. The fee is \$5 per person, and couples or singles are encouraged to attend. For further information or registration, please contact The Chaplain Association c/o Ms. Barbara Munro, 158E Students' Union Building, telephone 432-4621.

Athletic Services Department Offers "Keep Fit" Classes

Beginning Monday, 22 January,

the Athletic Services Department of the Faculty of Physical Education and Recreation will offer a new series of classes in physical fitness, designed for members of the University's faculty and staff. Classes begin on 22 January and run to 30 March. Class times may be chosen from the following schedule: Monday and Thursday at 7:00 a.m.; Tuesday and Thursday at 12:10 p.m. Monday and Friday at 12:10 p.m.; Monday and Wednesday at 4:45 p.m.; Tuesday and Thursday at 4:45 p.m.; Tuesday and Thursday at 7:00 p.m. Cost for the course is \$35 and further information may be obtained from the Athletic Services Department, W1-34 Physical Education Building, telephone 432-3365.

Positions Vacant

Chairperson of Science

Red Deer College requires a Chairperson of Science. The Chairperson, reporting to the Academic Dean, is responsible for management of a 30 member Science Division with offerings in adult upgrading, diploma and transfer courses. Qualifications include demonstrated administrative skills, sensitivity to the education role of the Community College, ability to relate well to people, a graduate degree and teaching expertise, preferably in the Sciences Appointment by the spring of 1979. Applications are accepted until the position is filled. Salary range: \$29,115 - \$39,687. Apply with complete details, vitae and references to: Dr. Gerald Kelly, Academic Dean, Red Deer College, Box 5005, Red Deer, Alberta. T4N 5H5

Bookkeeper/Secretary

A part-time bookkeeper-secretary is needed for the University and Community Day Care centre, for approximately eight to ten hours per month. Time of work and salary are negotiable. For further information telephone the Director of the Centre, Susan Capstick, at 433-0070. (The University and Community Day Care Centre is located in Windsor Park School, 8720 118 Street).

Teaching Position

Applications are invited for a full time teaching position in the Division of Fixed Prosthodontics. Candidates should have completed an accredited graduate or post-graduate certification program and be eligible for licensure in the Province of Alberta. Salary and rank are negotiable according to qualification and experience. Intramural part-time practice in new facilities is

available. Applications, accompanied by curriculum vitae, should be sent to: Dr. W.J. Simpson, Professor and Chairman, Department of Dental Clinical Sciences, University of Alberta, Edmonton. T6G 2N8

Postdoctoral Position—

Radiobiology

The Department of Radiation Oncology of the Cross Cancer Institute, Edmonton, Alberta, invites applications for a postdoctoral position within its Radiobiology Program commencing 1 April 1979.

This position is for studies of the molecular radiobiology of membranes. Specific probes of radiation damage will be developed and correlations between molecular damage and radiobiological response sought in *in vitro* systems.

Experience in the organic chemistry of lipids and/or in the isolation of membranes and subcellular organelles would be an asset. Send curriculum vitae and names of three referees to Dr. J.A. Raleigh, Radiobiology, Cross Cancer Institute, 11560 University Avenue, Edmonton, Alberta T6G 1Z2, Canada.

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, third floor, SUB, telephone 432-5201. Please do not contact the department directly. Positions available as of 11 January 1979.

Duplicating Operator I (\$695-\$748)—Law Clerk Typist II (\$695-\$803, trust)—Institute of Law Research and Reform Clerk Typist II (\$695-\$803)—Office of the Comptroller; Housing and Food Services; Provincial Laboratory Clerk Steno II (\$695-\$830)—Mechanical Engineering; Dean of Education Library Clerk II (\$695-\$830)—Faculté Saint-Jean Dental Assistant (\$721-\$863)—Dentistry; Community Dentistry Clerk Typist III (\$748-\$895, term)—Office of the Registrar Clerk Typist III (\$447-\$537, part-time, term)—English Clerk Typist III (\$748-\$895)—Office of the Registrar; Plant Science; English Data Entry Operator I (\$772-\$929)—Bookstore Clerk Steno III (\$772-\$929)—Educational Psychology; Physics; Secretariat; Civil Engineering Clerk Steno III (\$772-\$929, trust)—Community Medicine Senior Financial Records Clerk (\$772-\$929)—Drama Programmable Typewriter Operator II (\$803-\$969)—Personnel Services and Staff Relations Admission Records Trainee (\$803-\$969)—Office of the Registrar Data Entry Operator II (\$830-\$1,009)—Sociology Accounts Clerk (\$830-\$1,009)—Office of the Comptroller Secretary (\$863-\$1,053)—Canadian Institute of Ukrainian Studies;

Athletic Services; Comparative Literature; Electrical Engineering Departmental Secretary (\$969-\$1,192)—Psychiatry Computer Assistant I (\$695-\$830)—Computing Services Storeman I (\$748-\$895)—Provincial Laboratory Technician I (\$895-\$1,096, trust)—Medicine—Clinical and Transplant Immunology Group Electronics Technician I (\$929-\$1,143)—Civil Engineering; Chemistry Technician II (Chemical/Instrumentation) (\$1,009-\$1,243)—Animal Science Biochemistry Technologist I (\$1,009-\$1,243, trust)—Pharmacology Technologist I (Pharmacology) (\$1,009-\$1,243, trust)—Pharmacology Biology Technologist I (\$1,009-\$1,243, term)—Genetics Draftsman II/III (Interior Design) \$1,053-\$1,476)—Purchasing Programmer/Analyst II (\$1,192-\$1,476)—Institutional Research and Planning; Computing Services Programmer/Analyst II/III (\$1,192-\$1,759)—Computing Services Machinist Technician III (\$1,298-\$1,611)—Physics Programmer/Analyst III (\$1,415-\$1,759)—Chemical Engineering Programmer/Analyst III/IV (Word Processing Systems Analyst) (\$1,415-\$2,104)—Computing Services Technologist IV (Biochemistry) (\$1,476-\$1,838, trust)—Medicine

The following is a list of currently available positions in the University of Alberta Libraries. The bulletin board in the Cameron Library, Room 512, should be consulted for further information as to availability and position requirements.

Library Clerk III (\$748-\$895)—Cataloguing; Acquisitions Library Assistant I (\$803-\$969)—Bibliographic Verification; Education; Selections

Advertisements

All advertisements must be received by 4:30 p.m. on the Thursday prior to publication. The cost is 15 cents per word for the first week and 5 cents per word for subsequent weeks ordered before the next deadline. Advertisements must be paid for in advance, and are accepted at the discretion of the Editor. We regret that no advertisements can be taken over the telephone. For order forms or further information, telephone 432-2325.

Accommodations available

For sale—Windsor Park. By owner. Approximately 1,700 sq. ft. bungalow. Finished basement. Large lot. Clear title. \$168,500 firm. For appointment, call Mrs. Gerald 433-8956. No agents please.
For sale—Immediate possession. West end, five bedrooms, three bathrooms, family room, two fireplaces, sauna, sundeck, double garage. Resi Richter. Weber Bros. 455-4135. 483-9432.

February 1979

January

1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31					

March

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31		

April

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8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					



sunday
4

11

18

25

monday
5 ■ GFC Executive

12 ■ Mid-term test week to Friday, 16 February

19 ■ Last day for changing registration status in 2nd term courses (or full session courses in Graduate Studies)
■ GFC

26 ■ Reading Week (to 4 March). Classes withdrawn
■ Last day for changing registration status in Engineering

tuesday
6 ■ CDC

13 ■ NASA departmental representatives
■ GSA Council

20 ■ CDC

27

wednesday
7 ■ Students' U Rally. Classes: 12 noon to 1

14 ■ Deans' Council

21

28 ■ Last day for LLB program
■ Last day for 2nd term courses



Photograph by Gordon Packer

thursday

1

- ADC
- Last day for applications to Dentistry

8

- UPC
- ADC

15

- ADC

22

- ADC
- UPC

friday

2

- Board of Governors

9

16

- Last day for withdrawing from full session courses, or from "credit" to "audit" in Agriculture, Arts, BAC, Fac. St. Jean, Education, Home Economics, Library Science, Medicine, Pharmacy, Physical Education, Rehabilitation Medicine, and Science

23

saturday

3

10

17

24

on Election
withdrawn from
m.

oil

applications to
withdrawing from
es in Law

For sale—Executive, open beam. Front split. Westbrook Drive. 3,000 sq. ft. home. Beautiful 100' x 190' lot overlooking Derrick Golf Course. Spacious rooms, planned for entertaining. Two fieldstone fireplaces with gas starters, huge kitchen, three bedrooms, double garage. For viewing call Faye Lund. Block Bros. 436-4240, 436-5355.

Sale by owner: Nice three bedroom condominium in Millwoods. Carport and other features. Centrally located. Reasonably priced. For full written information, write to Box 184, University Post Office, Edmonton.

House to share in Garneau with one other. \$200 per month. Call 477-9628 days, 433-1089 evenings.

For rent—Southside, clean duplex, modern, open beam, back-split home, three bedrooms, two bathrooms, garage, fridge, stove. \$430 monthly. Call 433-9998 after 5 p.m.

For sale—Solid family home in North Windsor Park. Will consider all offers. Call Jim Sellars at Block Bros. NRES Ltd. Bus. 432-7541 or res. 424-6547.

West End, by owner, Grosvenor—Imperial 3 bedroom townhouse—former show home. Includes finished basement, 1½ bathrooms, four appliances, landscaping, sundeck, storage shed. Clear title—a real beauty at \$57,500. 487-5502, 452-0713.

For sale—By owner. Well-kept three bedroom in Millwoods (20 minutes to University) three years old, 1½ bathrooms, carpet throughout, rumpus room, fenced yard, carport, no common walls, facing playground, condo fee \$15, good price. 462-6752 evenings or weekends.

For rent—Four bedroom house, Windsor Park, available summer 1979 for one year. Phone 432-4109 or 433-3498.

For rent—9633 82 Avenue. Upstairs, large, four rooms, one bedroom, possession 1 February. 433-7715.

For sale—By owner. Westmount area, easy access to University. 1,563 sq. ft. semi-bungalow, four bedrooms, family room in professionally finished basement, double garage, mature landscaping. \$80,500. Phone 455-1826 after 5 p.m.

For sale or rent—Hi-rise condominium “The Saskatchewan.” Floor 12. 9737 112 Street. River valley view. Two bedrooms. Monthly rent \$580. Sale \$75,000. Low down payment. Ken 482-2883, 482-2087 after 6 p.m.

For rent—Three bedrooms, main floor ouse, \$465. Two bedroom basement suite, \$270. Immediate possession. Doreen or Jerry 433-9406.

For sale—Riverbend. Cedar townhouse. Two fireplaces, wet bar, three bedrooms, private patio, attached garage. Call Liz Crockford. 434-0555. res. 436-5250 Spencer Real Estate

For sale—Malmo. \$84,900. Four bedroom, two storey, attached garage, large trees, attractive fenced yard. Call Liz Crockford 434-0555 res. 436-5250 Spencer Real Estate.

Automobiles and accessories

1976 Buick Regal. A/C, sunroof, stereo tape deck, excellent condition. \$4,500. 487-5502, 452-0713.

For sale—1974 Vega. Standard, radials, eight track tape. \$1,300. 483-8079.

Goods and services

Experienced typist. Variety of type styles, symbols. Quality work. 435-4407; 435-5006.

Theses, manuscripts, and publications expertly typed at a reasonable cost, using IBM Selectric correcting typewriters. Raffin and Hart Office Services. 9203N 112 Street. HUB Mall. 433-7727.

\$\$Sell Yourself\$ with a professionally prepared résumé. Contact Valerie Harrison—Western Personnel Registry 10444 82 Avenue 2nd Floor. Phone 432-7565.

Will do top quality typing. Phone 455-6398.

Aspen Languages—New classes commencing January. Intermediate and advanced French. Italian for beginners. French series—Le Tour De France: Conversation with slides. 435-4467.

Typing of theses, term papers, etc., in my home. Pick up and deliver. 454-5977.

Bechstein concert grand piano, 7½ feet completely rebuilt and refinished. \$12,000 or best offer. Phone 434-1334.

Interested having your area snow cleaned? Call 439-3531.

Edmonton YMCA Chito-Ryu Karate Club. Phone 455-2139.

Baby goods for sale—Like new. Call Elsie 432-5955 bus. 454-5473 res.

For sale: Teak table, 4 chairs, Princip oak bookcase, single bed, sofa, vacuum cleaner, ironing board. Like new, 3 - 5 months old, must sell, best offer. Phone 439-5243 after 5 p.m., January.

Out of print book search; old and rare bought and sold. Tom Williams, Box 4126C, Calgary.

Typing, proof-reading, editing literature, searches, IBM Selectric. Adjacent campus. Carole 439-0427.

Need a home for affectionate black and white female cat, spayed, shots. 465-3876 after 6 p.m.

1970 Kenmore dishwasher, leaks a bit, washes a lot. Best offer. Dave, 432-3812, 439-7808 evenings.

Expert typing—theses, etc. 455-0641.

Moving must sell—Mirrors, drafting table, lamps, couch and chair, hide-a-bed, Studiotone stereo with Dual turntable, Wharfedale speakers, wicker hanging chair and rocker, pictures, stereo stand, fireplace shield. 487-5502, 452-0713.

Ex-secretary will type reports, theses, etc. at home. IBM Selectric. 464-4887.

For sale—Wringer washer. Excellent condition \$125, floor polisher \$25. 484-7958 after 6 p.m.

Lost on campus one gold chain watch, cylinder style. Reward offered. Phone 432-4284.

Will do typing evenings and weekends.

9022 92 Street. 469-1218 after 5 p.m.

House sitting—Will house sit for professor absent during 1979.

References. Tamie 436-9031.

Shake off the winter blues with an Easter vacation at The Black Cat Lodge. Comfortable accommodation and good food. An ideal spot for your spring seminars. Write The Bonds, Box 542, Hinton, Alberta, T0E 1B0 or phone 866-2107.

Coleman 3-5,000 BTU tent heater \$30.

Regina 2 speed electric broom \$25.

GE large fan \$12. 432-5093.

Physics Lecture Series

Recent developments in physics have lead to a “new look” at the inner structure of the atomic nucleus. In a lecture designed for the general public, Sir Denys Wilkinson, noted English physicist, will discuss current views of the nucleus of the atom. Sir Denys will also give four specialized lectures on the subject of beta radioactivity.

An internationally known scientist, Sir Denys Wilkinson also serves as Vice Chancellor in the University of Sussex. His research into subjects in physics, notably nuclear structure and elementary particles, has gained him many honors and awards, including a knighthood in 1974. Wilkinson's most recent studies have been concerned with the determination of the structure of the atomic nucleus and with it radioactive decay.

Sir Denys' public lecture will be delivered in P-126, Physics Building, on 22 January at 3 p.m. The four specialized lectures will be given from Tuesday to Friday, 23 to 26 January, in V-128 Physics Building, at 3:30 p.m. each day.